

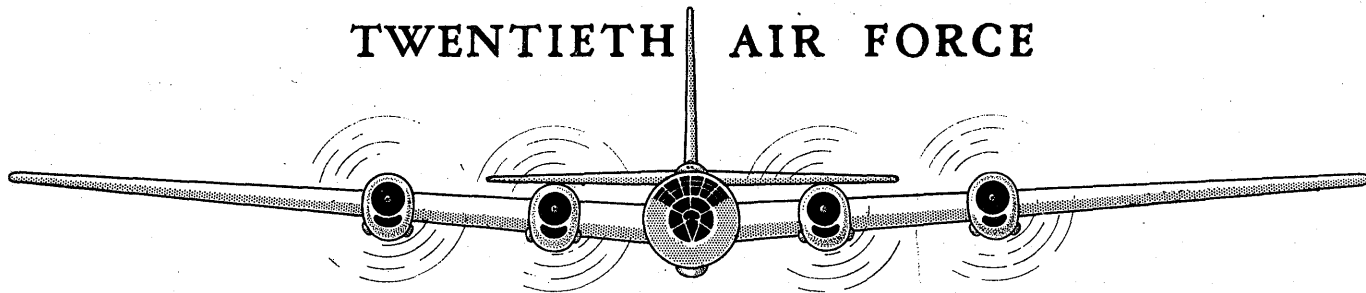
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TWENTIETH AIR FORCE



Instructors Reading this Document

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Ritchey

28 Aug

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28 Aug

Hoinder

31 Aug

Myers

7 Sept

Becker

Ledford

11 Dec

William

11 Jan

COMMAND & STAFF

REFERENCE
BOOK

Classification changed to
by authority of AC of S, G-2, WDGS

E. S. JOHNSTON
Colonel, Infantry

SEP 13 1945

1 AUGUST 1945

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28 AUG 1945

PO Reg # 1689887
ACS# CM-8533

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COMMAND & STAFF REFERENCE BOOK

1 August 1945

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NOTE: THE XXI BOMBER COMMAND WAS REDESIGNATED THE TWENTIETH AIR FORCE 16 JULY 1945. INFORMATION CONTAINED HEREIN INCLUDES ONLY THE OPERATIONS OF THE XXI BOMBER COMMAND PRIOR TO 16 JULY AND THOSE OF THE TWENTIETH AIR FORCE AFTER THAT DATE. VII FIGHTER COMMAND ACTIVITIES WILL BE REFLECTED IN SUBSEQUENT ISSUES OF THIS BOOK.

PREPARED BY
33RD STATISTICAL CONTROL UNIT

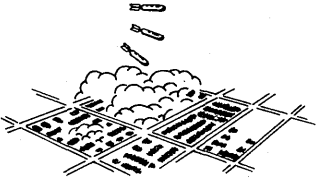
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UNCLASSIFIED TWENTIETH AIR FORCE ACHIEVEMENTS

(FOR OPERATIONS OF THE XXI BOMBER COMMAND ONLY)

1

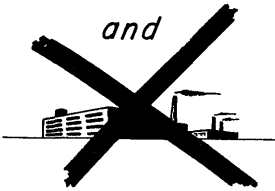


154 SQ. MILES OF INDUSTRIAL & URBAN AREAS OF JAPAN
BURNED OUT = 48 JAP CITIES WITH POPULATION —

EQUIVALENT TO TOTAL
POPULATION OF:

{ NEW YORK CITY, CHICAGO, DETROIT, CLEVELAND, BOSTON, PITTSBURG, SAN FRANCISCO,
MILWAUKEE, CINCINNATI, SEATTLE, DENVER, BIRMINGHAM, DALLAS AND OMAHA.

2



DESTROYED
OR
DAMAGED

49.8 MILLION SQ. FT. OF PRIORITY INDUSTRIAL TARGETS



27 AIRCRAFT FACTORIES

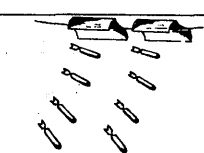


13 OIL AND FUEL INSTALLATIONS



11 OTHER MAJOR INDUSTRIAL PLANTS

3



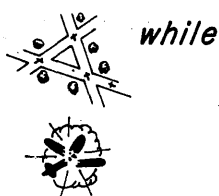
136,580 TONS OF BOMBS WERE DROPPED AVERAGING
1108 TONS DAILY DURING THE PAST 90 DAYS

4



AT LEAST 500,000 TONS OF JAP SHIPPING WERE SUNK
OR DAMAGED BY MINES AND WATER TRANSPORTATION
FACILITIES HAVE BEEN SERIOUSLY CURTAILED.

5



ON THE GROUND

WE DESTROYED

202 ENEMY A/C

WE DAMAGED

165 ENEMY A/C

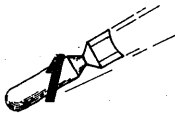
IN THE AIR

379 ENEMY A/C

767 ENEMY A/C

THIS WAS ACHIEVED IN 8 MONTHS OF OPERATIONS AS FOLLOWS:

BOMB LOAD PER AIRCRAFT INCREASED FROM:



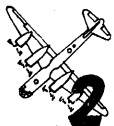
2.7 TONS
IN NOV. 1944

TO



7.7 TONS
IN JULY 1945

SORTIES FLOWN EACH MONTH ROSE FROM:



3.3 SORTIES
PER A/C ASGD.
NOV. 1944

TO

7.1 SORTIES
PER A/C ASGD.
JULY 1945

and from



2.4 SORTIES
PER CREW ASGD.
NOV. 1944

TO



6.0 SORTIES
PER CREW ASGD.
JULY 1945

HOURS FLOWN EACH MONTH ROSE FROM:



38 PER
A/C ASGD.
NOV. 1944

TO

114 PER
A/C ASGD.
JULY 1945

28 PER
CREW ASGD.
NOV. 1944

96 PER
CREW ASGD.
JULY 1945

WHILE NON-EFFECTIVE AIRBORNE A/C DECREASED FROM:



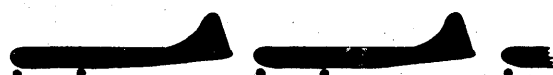
25.8 % OF
TOTAL SORTIES
NOV. 1944

TO ONLY



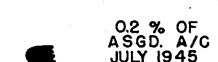
4.4 % OF
TOTAL SORTIES
JULY 1945

AIRCRAFT OUT-OF-COMMISSION-FOR-PARTS FELL FROM:



12.7 % OF
ASGD. A/C
NOV. 1944

TO



0.2 % OF
ASGD. A/C
JULY 1945

AIRCRAFT COMBAT LOSS RATE FELL FROM:



3.5 % OF
TOTAL SORTIES
NOV. 1944



1 % OF
TOTAL SORTIES
MAY-JULY 1945

91,820,000 MILES FLOWN TO & FROM JAP MAINLAND
WITH ACCIDENT LOSS RATE OF ONLY 1.3 A/C FOR
EVERY 1,000,000 MILES FLOWN.





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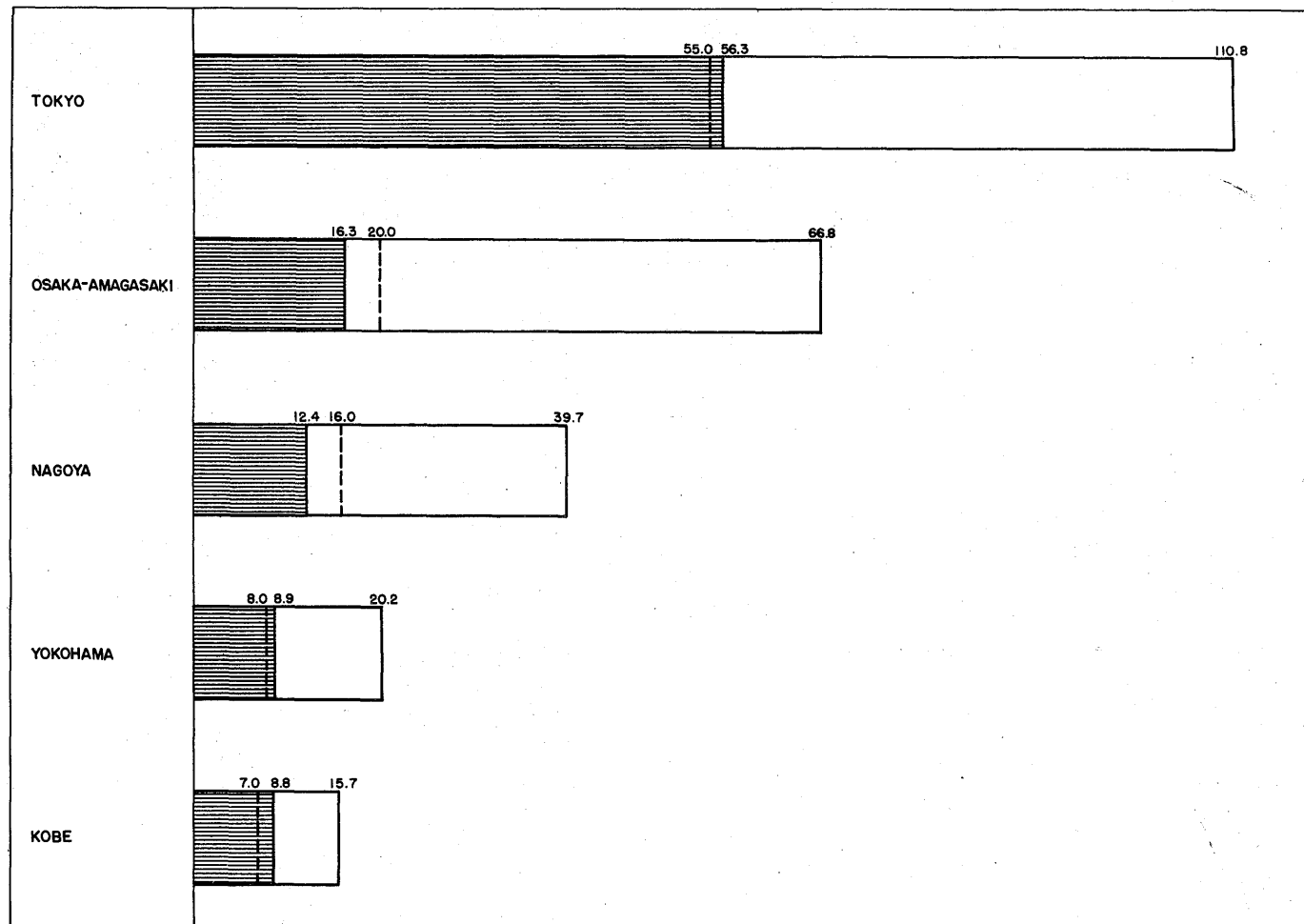
TWENTIETH AIR FORCE

SUMMARY OF URBAN AREA RESULTS

LEGEND

-  SQUARE MILES DESTROYED
-  PLANNED TARGET AREA
- TOTAL LENGTH OF BAR REPRESENTS
BUILT-UP URBAN AREA

OVER 900,000 POPULATION



UNDER 900,000 POPULATION

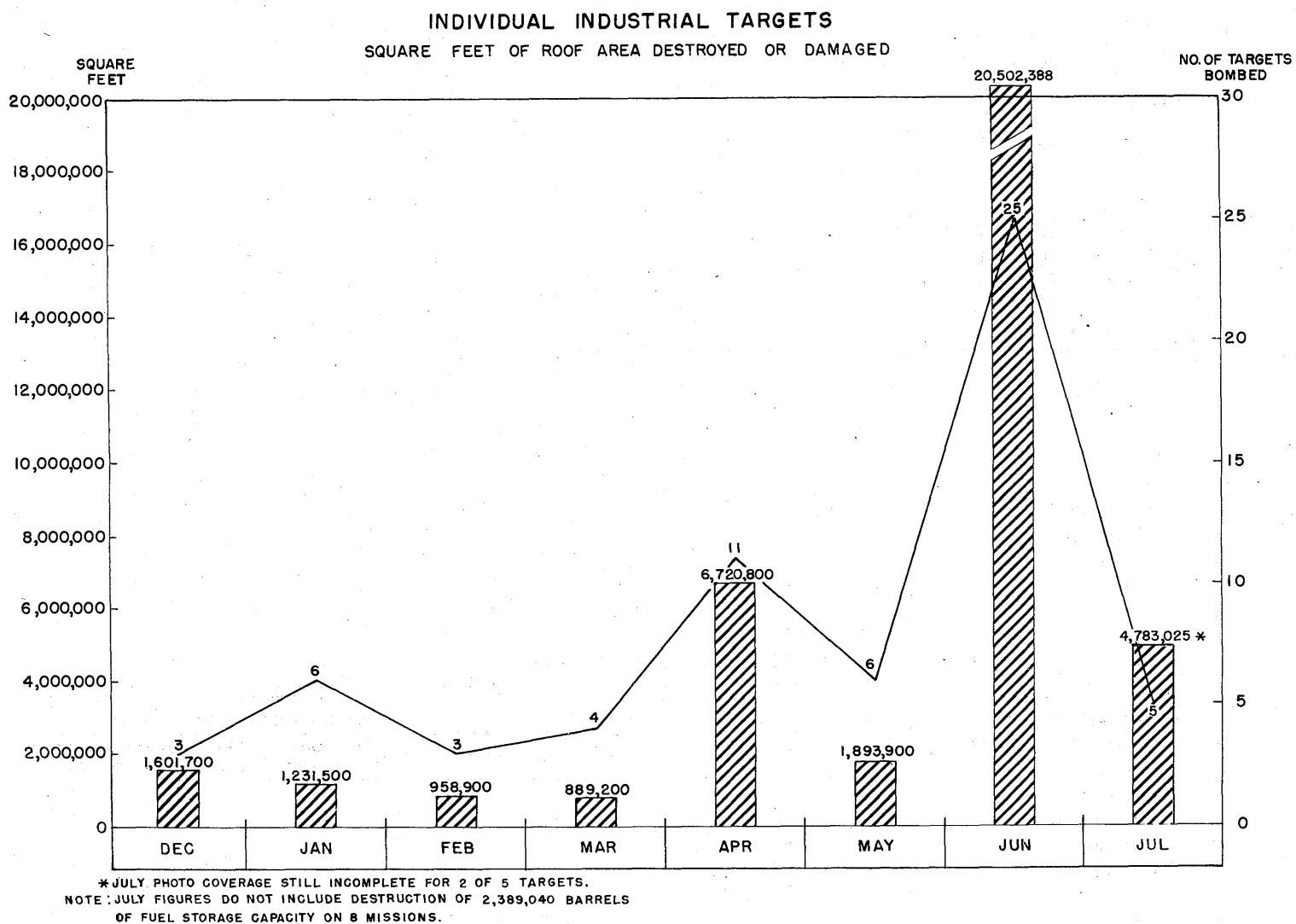
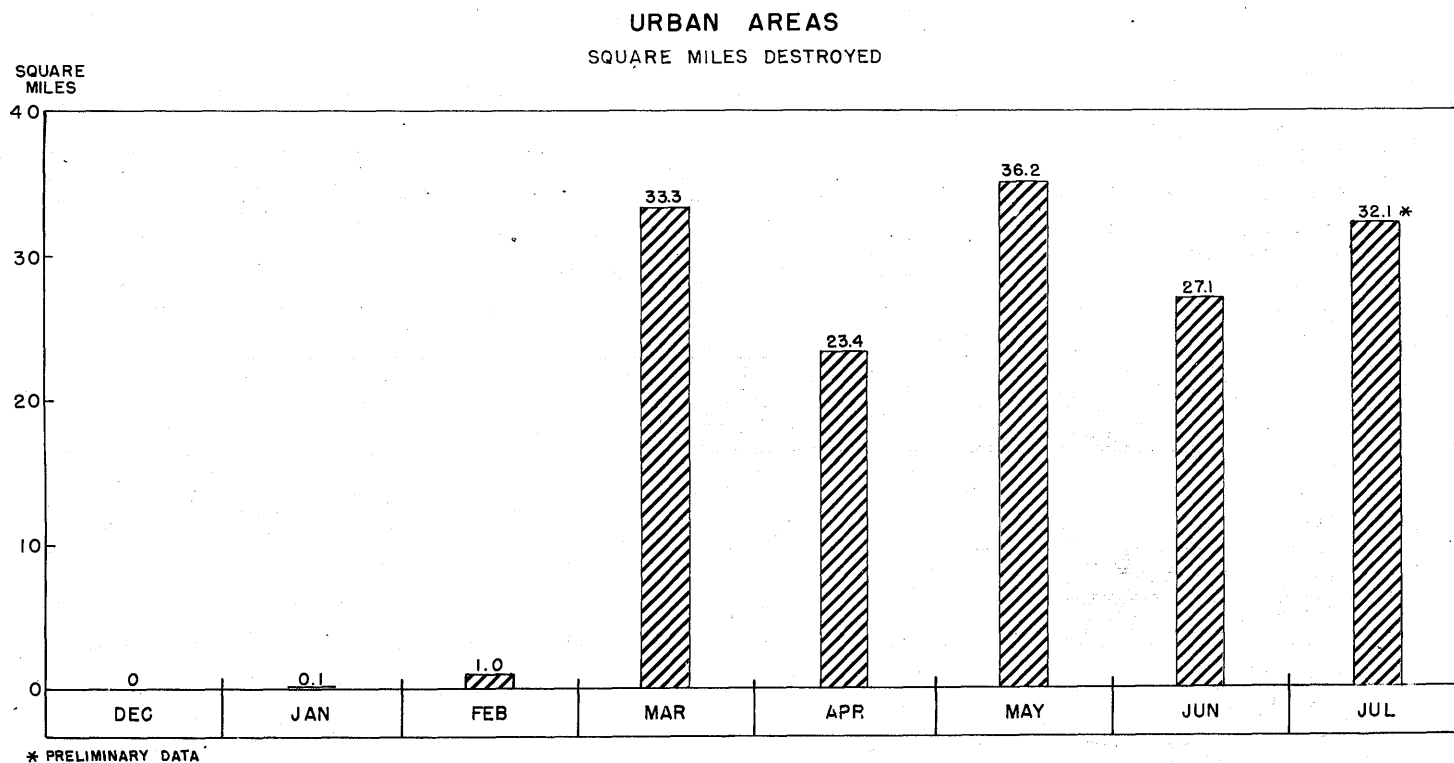
POPULATION CLASS	NO. OF CITIES	NO. OF MISSIONS	BUILT-UP AREA	PLANNED TARGET AREA	TOTAL AREA DESTROYED	NO. OF CITIES WITH PERCENT OF PLANNED AREA DESTROYED EQUAL TO				
						OVER 100%	90%-100%	75%-90%	50%-75%	LESS THAN 50%
200,000-500,000	7	7	35.73	19.0	11.5	1	0	1	1	4
100,000-200,000	18	18	49.52	25.7	24.8	10	1	1	3	3
UNDER 100,000	19	20	28.23	19.4	15.3	3	3	4	5	4

NOTE: Above data excludes four attacks for which photo reconnaissance was not available as of 1 August. For all cities except Tokyo, destruction lies wholly within the planned target area with some destruction in addition in cases where 100% of the planned target area was burned out. For Tokyo, 86% of the planned target area has been destroyed and the remainder of 56.3 square miles of destruction lies outside of the planned target area.

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MONTHLY SUMMARY OF TARGETS BOMBED



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TWENTIETH AIR FORCE

DESTRUCTION OF URBAN AREA TARGETS

TARGETS	MISSIONS	A/C BOMBING	LOSSES	TONS	SQ. MI. DESTROYED	PERCENT DESTROYED
URBAN & INDUSTRIAL AREAS						
AKASHI	1	123		975.0	0.90	49.5
AOMORI	1	43		551.5	no photos	
CHIBA	1	125		892.3	0.86	43.4
CHOSHI	1	100		752.8	0.48	43.0
FUKUI	1	127		953.4	1.61	84.8
FUKUOKA	1	221		1525.0	1.37	21.5
GIFU	1	129	1	898.8	1.93	74.0
HAMAMATSU	3	559	4	3068.8	2.97	70.0
HIMEJI	1	106		767.1	1.48	76.7
HIRATSUKA	1	133		1162.5	1.04	44.2
HITACHI	1	128	2	971.2	1.08*	78.2
ICHINOMIYA	2	247		1640.8	0.97*	76.0
IMABARI	1	12		76.5	minor damage	
KAGOSHIMA	1	171	2	1023.1	2.15	44.1
KAWASAKI	1	250	12	1515.0	3.70	32.8
KOBE	3	874	11	5647.8	8.75	56.0
KOCHI	1	134	1	1117.6	0.92	48.0
KOFU	1	33		977.9	1.30	65.0
KUMAMOTO	1	155	1	1121.2	1.00	21.0
KURE	1	157		1093.7	1.50*	46.0
KUWANA	3	217		1511.3	0.63	77.0
MATSUYAMA	1	128		896.0	1.22*	73.0
MIYAKANOJO	1	27		158.0	minor damage	
MOJI	1	92		626.9	0.30	26.9
NAGOYA	5	1646	23	10136.8	12.37	31.2
NOBEOKA	1	123		859.9	0.52	36.0
NUMAZU	1	125		1051.7	1.25	89.5
OGAKI	1	93		643.7	0.54*	38.0
OITA	1	131		801.9	0.56	25.2
OKAYAMA	1	140	1	985.5	2.13	63.0
OKAZAKI	1	128		857.4	0.65	68.0
OMUTA	2	240	1	1733.8	0.22	4.1
OSAKA - AMAGASAKI	4	1627	23	10417.3	16.44	37.0
SAKAI	1	116		778.9	0.99*	42.5
SASEBO	1	145		1070.9	0.41*	17.9
SENDAI	1	129	1	932.3	1.22	27.0
SHIMIZU	1	151	1	1101.9	0.74	52.0
SHIMONOSEKI	1	130	1	836.4	0.51	36.0
SHIZUOKA	1	157	2	1013.3	2.28	66.0
TAKAMATSU	1	116	2	833.1	1.44	78.0
TOKUSHIMA	1	141		1127.9	1.70	74.0
TOKUYAMA	1	107		789.5	no photos	
TOKYO	7	2452	74	13684.1	56.30	50.8
TOYOHASHI	1	160		1026.1	1.70	52.0
TSU	3	222		1507.3	1.05*	71.1
TSURUGA	1	94		692.2	0.77*	68.0
UBE	1	103		726.7	0.42	23.0
UTSONOMIYA	1	115	1	842.9	0.88*	32.0
UJIYAMADA	1	118		832.3	0.36*	39.0
UWAJIMA	2	159		1106.3	0.14	15.1
WAKAYAMA	1	124		878.8	2.19	52.5
YOKKAICHI	1	95		591.6	1.23	35.0
YOKOHAMA	1	463	7	2590.8	8.90	44.0
OTHER		433		2020.6		
TOTAL	77	14394	171	92376.1	154.07	-

* Preliminary data. Above figures are based on latest photo reconnaissance available.

NOTE: AAF numbered targets damaged and destroyed during urban area raids are not listed individually above unless also a primary target for another mission. In addition, targets hit on special bombing missions are not included in this tabulation. Percent destroyed figures reflect the percent of total built-up urban area destroyed.

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TWENTIETH AIR FORCE

DESTRUCTION OF INDUSTRIAL & OTHER TARGETS

TARGETS	MISSIONS	A/C BOMBING	LOSSES	TONS	SQ. FT. DESTROYED OR DAMAGED	PERCENT DESTROYED OR DAMAGED
AIRCRAFT INDUSTRIES						
AICHI A/C CO., EITOKU	2	124	2	817.8	985,560*	37.7
" ORDNANCE PLANT, NAGOYA	1	42		271.0	1,130,800	95.7
HIRO NAVAL FACTORY, KURE	1	149	2	581.0	779,457	71.5
HITACHI A/C CO., CHIBA	1	27		144.2	minor damage	
" A/C ENGINE CO., TACHIKAWA	1	101	5	473.5	836,626	73.5
JAPAN A/C CO., TOMIOKA	1	32		172.5	247,900	33.0
KAWANISHI A/C CO., FUKAE	1	92	1	459.5	504,247	39.0
" " " HIMEJI	1	52		350.7	948,650	99.0
" " " NARUO	1	44		263.5	1,807,250	73.4
" " " TAKARAZUKA	1	78		457.5	1,488,800	85.0
KAWASAKI A/C CO., AKASHI	4	144		637.7	2,511,450	74.3
" " " KAGAMIGAHARA	2	40	1	232.0	953,700	60.2
MITSUBISHI A/C CO., KAGAMIGAHARA	2	78	2	508.5	227,000	77.5
" " " NAGOYA	2	104	9	251.6	3,880,795	68.4
" " " TAMASHIMA	1	111	2	610.8	2,655,650	87.5
" " " ENGINE CO., NAGOYA	7	570	18	2668.5	3,584,100	94.0
NAKAJIMA A/C CO., HANDA	1	78		544.3	667,500*	44.2
" " " KOIZUMA	1	48		274.7	882,900*	23.8
" " " MUSASHINO	11	454	44	2993.5	1,746,500	62.6
" " " OGIKUBU	1	7		38.0	minor damage	
" " " OTA	1	87	12	245.5	1,699,450	74.6
OMURA A/C FACTORY, OMURA	1	39		87.5	544,025	19.4
SHIZUOKA A/C ENGINE CO., SHIZUOKA	1	59		237.2	823,100	48.9
TACHIKAWA A/C CO., TACHIKAWA	1	73	1	549.6	807,000	28.2
" AIR DEPOT, TACHIKAWA	1	37		197.5	1,623,400	38.5
TACHIARA MACHINE WORKS, TACHIARA	1	105	1	416.7	459,000	100.0
TOTAL	49	2787	100	13913.2	31,794,860	
OIL & FUEL INDUSTRIES **						
HAYAMA PETROLEUM REFINERY, B						
MITSUBISHI OIL REFINERY, KAWASAKI	1	75	1	650.0	756,100*	33.3
KAWASAKI PETROLEUM CENTER, KAWASAKI	1	53	2	452.0	61,400*	4.6
MARUZEN OIL REFINERY, MINOSHIMA	2	98		738.2	900,000	88.0
NIPPON OIL CO., AMAGASAKI	1	83		684.8	710,700	47.0
" " " KUDAMATSU	2	93		782.3		20.0
OSHIMA OIL STORAGE, OSHIMA	1	81		385.7	45,000	90.0
OTAKE OIL REFINERY, OTAKE	1	115	1	564.2		45.0
SHIMOTSU OIL REFINERY, WAKAYAMA	1	80		675.3	no photos	
TOKUYAMA SYNTHETIC OIL PLANT, TOKUYAMA	1	60		275.0	no photos	
" NAVAL FUEL STATION, "	1	52		231.8	565,150	49.6
UBE COAL LIQUEFACTION CO., UBE	1	74		636.8	no photos	
UTSUBE OIL REFINERY, YOKKAICHI	2	100		725.5	946,940	45.6
TOTAL	15	975	4	6760.4		
OTHER INDUSTRIES						
HITACHI ENGINEERING WORKS, KAIGAN	1	118		806.0	2,142,900	96.8
HODAGAYA CHEMICAL INDUSTRY, KORIYAMA	1	71		283.7	457,900	59.0
KORIYAMA CHEMICAL PLANT, KORIYAMA	1	70	2	171.7	555,000	72.8
KURE NAVAL ARSENAL, KURE	1	162	2	795.8	2,879,510	72.0
NAGOYA ARSENAL, ATSUTA FACTORY, NAGOYA	1	23	1	115.4	1,353,485	54.3
" " " CHIGUSA " "	1	33		189.0	1,228,060*	77.0
OSAKA ARMY ARSENAL, OSAKA	2	145	1	976.5	989,800	19.7
SUMITOMO DURALUMIN CO., NAGOYA	1	29		150.0	1,339,900	55.0
" LIGHT METAL INDUSTRY, OSAKA	2	147	1	876.0	2,105,725	95.5
OTHER		45		193.3		
TOTAL	11	843	7	4557.4	13,828,280	
AIRFIELDS & SEAPLANE BASES	98	1764	23	8452.7	-	-
ISLAND TARGETS	2	494		2511.8	-	-
TOTALS FOR ALL BOMBING MISSIONS	295	22515	322	136579.6	-	-

NOTE: TOTAL FIGURES FOR AIRCRAFT INDUSTRIES AND FOR OIL & FUEL INDUSTRIES INCLUDE MISCELLANEOUS TARGETS NOT SPECIFICALLY LISTED.

* Preliminary data.

** Damage figures for oil and fuel industries are in terms of capacity in barrels destroyed.

Percent destroyed and damaged figures reflect the percent of total roof area for individual industrial targets, with the exception of oil and fuel industries. These figures are based on latest available photo reconnaissance. Targets hit on special bombing missions are not included in the above tabulation. Individual industrial targets listed above are primary targets only; industries hit as secondary targets or destroyed during urban area strikes are not included.

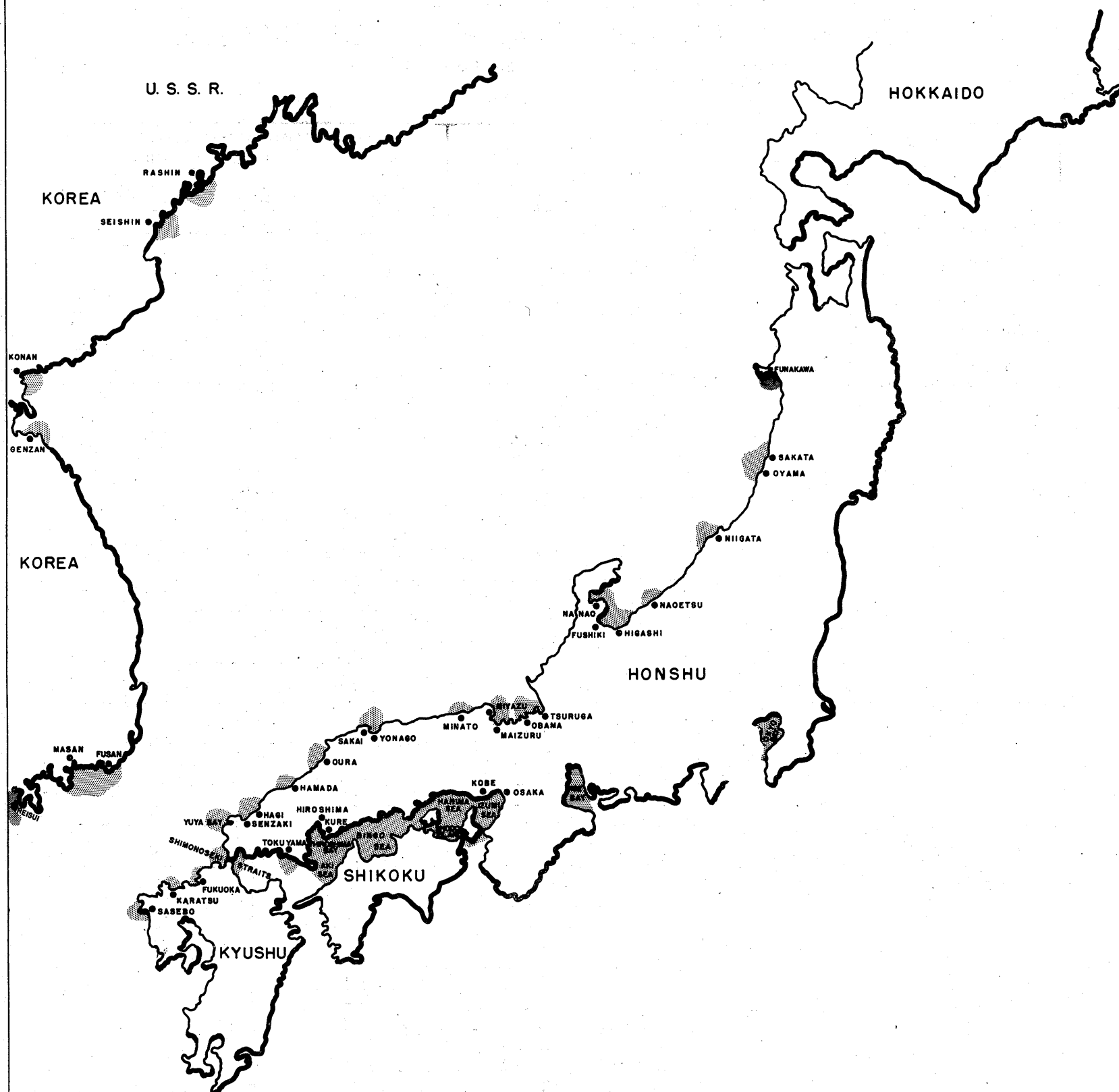
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TWENTIETH AIR FORCE

MINING OPERATIONS

AS OF 31 JULY 1945



SUMMARY MINING OPERATIONS

	MINE FIELD	MISSIONS	NO. OF A/C MINING	NO. OF MINES DROPPED
JAPAN	KOBE, OSAKA, IZUMI SEA	8	74	666
	AKI SEA (INLAND SEA, CENTRAL)	6	15	123
	FUKUOKA, KARATSU	9	47	404
	HARIMA SEA (INLAND SEA, WEST)	2	27	202
	SHODO ISLAND (INLAND SEA, EAST)	3	11	107
	BINGO SEA (INLAND SEA, CENTRAL)	3	19	172
	HAMADA	-	-	-
	KURE	1	6	48
	HIROSHIMA BAY	5	49	395
	HIROSHIMA	2	19	105
	TOKUYAMA	1	8	81
	SHIMONOSEKI STRAITS, EAST ENTRANCE	23	228	1855
	SHIMONOSEKI STRAITS, WEST ENTRANCE	26	361	2849
	NANOAO, FUSHIKI, HIGASHI, NAOETSU	11	86	768
	TOKYO BAY	2	4	39
	FUNAKAWA	1	6	72
	SASEBO	1	9	54
	ISE BAY, NAGOYA	3	4	37
	NIIGATA, OYAMA, SAKATA	11	88	839
	YUYA BAY, OURA, SENZAKI, HAGI, MINATO	3	24	198
	SAKAI, YONAGO	1	8	86
	MIYAZU, MAIZURU, OBAMA, TSURUGA	11	82	684
KOREA	RASHIN	5	39	209
	SEISHIN	3	17	141
	GENZAN	2	8	81
	FUSAN	4	24	196
	MASAN, REISUI	3	15	119
	KONAN	2	2	19

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BOMBING ACCURACY

BOMBING ACCURACY FOR NIGHT INCENDIARY ATTACKS

17 JUNE - 31 JULY 1945

WING	NUMBER OF IDENTIFIED PATTERNS	AVERAGE ALTITUDE	RADIUS OF CIRCLE CONTAINING 50% OF IDENT. PATTERN CENTERS (CEP)	% OF IDENTIFIED PATTERN CENTERS WITHIN FOLLOWING DISTANCE FROM AP		
				2000'	4000'	6000'
58TH WING	52	11,500'	5000'	15	44	71
73RD WING	135	11,000'	5000'	15	37	66
313TH WING		No Photographs				
314TH WING	140	13,500'	5000'	16	41	64
20 AF	327	12,500'	5000'	15	41	66

PERCENT OF BOMBS ABOUT ASSIGNED MPI FOR PRECISION TARGETS

(RADAR SIGHTINGS AND TARGETS OF OPPORTUNITY INCLUDED)

27 MARCH - 30 JUNE 1945

RADIUS OF CIRCLE IN FEET	PERCENT OF BOMBS IN CIRCLE				
	58TH WING	73RD WING	313TH WING	314TH WING	20 AF
500	15	15	6	12	13
1000	37	35	17	30	31
2000	70	62	39	60	59
NO. OF CASES	31	85	33	60	209

NOTE: This table is for daylight missions only.

ANALYSIS OF CIRCULAR ERRORS BY FORMATION

MARCH - JUNE 1945

WING	VISUAL SIGHTING NO. OF FORMATIONS WITH CIRCULAR ERROR OF						RADAR SIGHTING		TOTAL
	0-1000'	1000-2000'	2000-3000'	OVER 3000'	TARGET OF OPPORTUNITY	NOT ASSESSABLE	ASSESSABLE	NOT ASSESSABLE	
58TH WING	12	10	4	3	0	7	2	2	40
73RD WING	39	21	8	18	1	13	4	2	100
313TH WING	5	6	9	6	3	6	4	0	39
314TH WING	18	18	9	12	1	7	2	0	67
20 AF	68	55	30	39	5	33	12**	4	246

(*) Includes the following formations:
 73rd Wing - Mission 69 - Shizuoka Aircraft Engine Plant
 313th Wing - Mission 64 - Target 6195
 313th Wing - Mission 125 - Yamaguchi Airfield
 313th Wing - Mission 126 - Toyohashi
 314th Wing - Mission 199 - City of Tokyo

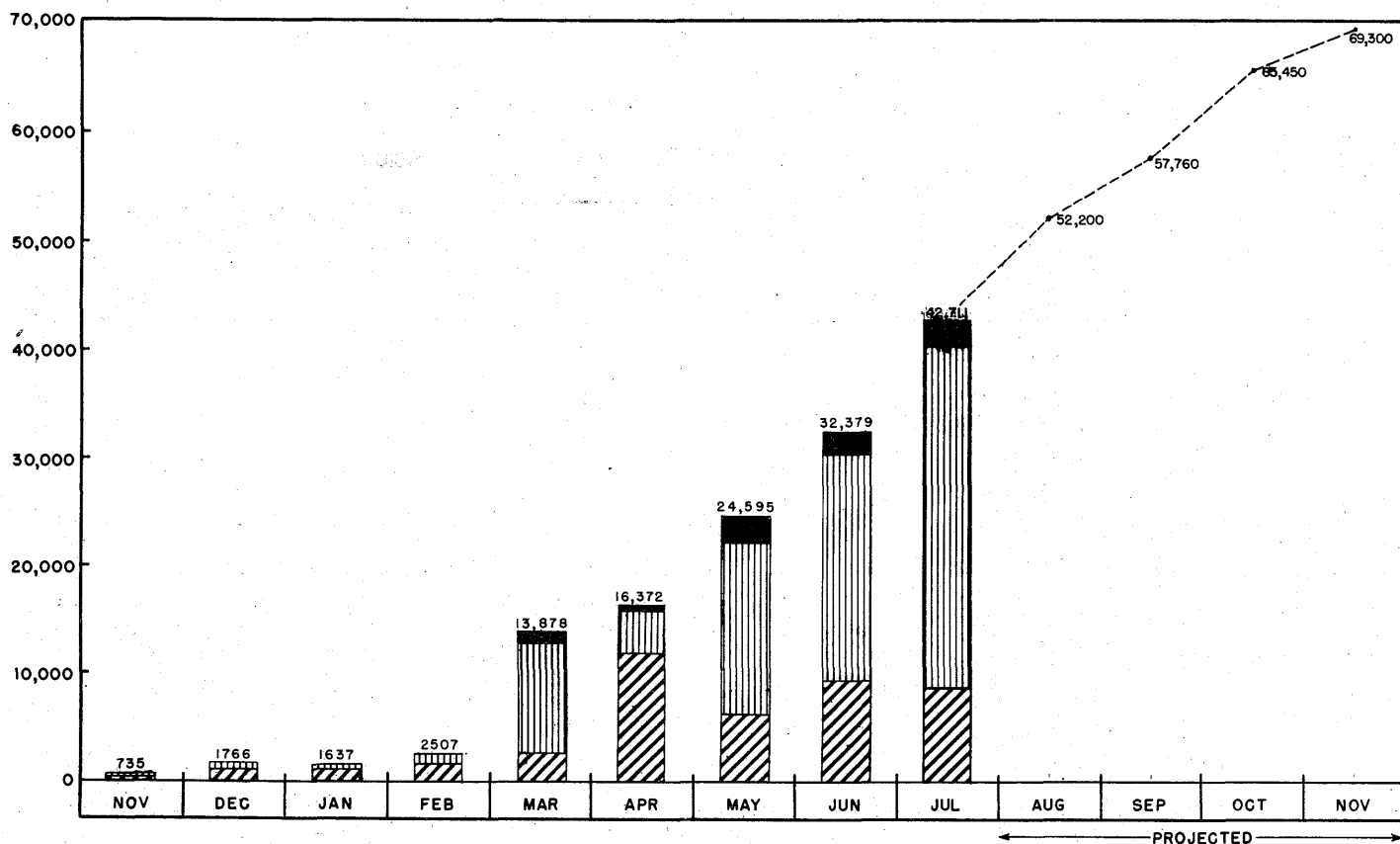
NOTE: This table is for daylight missions only.

(**) Breakdown of this figure by circular error is as follows:
 Circular Error No. of Formations
 2000'-3000' 1
 Over 3000' 11

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UNCLASSIFIED TONS RELEASED ON TARGETS

LEGEND
 MINING
 HE & FRAG
 INCENDIARY



DISTRIBUTION OF TONNAGE BY TYPE OF BOMB AND TARGET

MONTH	HE & FRAG		INCENDIARY		MINES		URBAN AREAS		INDUSTRIAL TARGETS		AIRFIELD TARGETS		OTHER	
	TONS	%	TONS	%	TONS	%	TONS	%	TONS	%	TONS	%	TONS	%
OCT-NOV	545	7%	190	2%			393	5%	58	8%	153	2%	131	1%
DEC	1246	7%	520	29%			187	11%	732	41%	736	42%	111	6%
JAN	1234	75%	403	25%			730	45%	415	25%	309	19%	189	11%
FEB	3551	62%	956	38%			1490	59%	359	14%	127	5%	541	22%
MAR	2765	20%	10033	72%	1080	8%	10139	79%	2093	16%	466	4%	100	1%
APR	12133	74%	3983	24%	256	2%	5469	34%	4768	30%	5776	35%	103	1%
MAY	6255	25%	15934	65%	2407	10%	17988	81%	2540	22%	1584	7%	77	-
JUN	9294	29%	21004	65%	2081	6%	22485	74%	7618	25%	68	-	127	1%
JUL	8964	21%	31562	74%	2185	6%	33320	82%	7113	18%	20	-	73	-
TO DATE	43987	32%	84585	62%	8009	6%	92201	72%	25696	20%	9229	7%	1446	1%

RADAR AND VISUAL BOMB RELEASES

MONTH	RADAR		VISUAL		MONTH	RADAR		VISUAL	
	NO.	%	NO.	%		NO.	%	NO.	%
NOV	122	69.7%	53	30.3%	APR	1200	39.9%	1811	60.1%
DEC	106	31.0%	236	69.0%	MAY	1744	47.9%	1894	52.1%
JAN	117	30.5%	267	69.5%	JUN	2620	56.2%	2042	43.8%
FEB	375	59.3%	257	40.7%	JUL	3876	70.8%	1601	29.2%
MAR	1321	60.7%	855	39.3%	TO DATE	11481	56.0%	9016	44.0%

NUMBER OF BOMBS RELEASED ON TRAINING FLIGHTS

DATE	BY LEAD CREWS				BY COMBAT CREWS			
	VISUAL	RADAR	BLIND	TOTAL	VISUAL	RADAR	BLIND	TOTAL
13 MAY-2 JUNE	1335	359	208	1902	2323	973	580	3876
3-30 JUNE	1172	469	179	1820	2206	857	318	3381
1-28 JULY	1671	921	236	2828	4739	2446	569	7754

Note: Bombs in this table are not included in any other figures on tonnage or number of bombs released.

PSYCHOLOGICAL WARFARE BOMBS

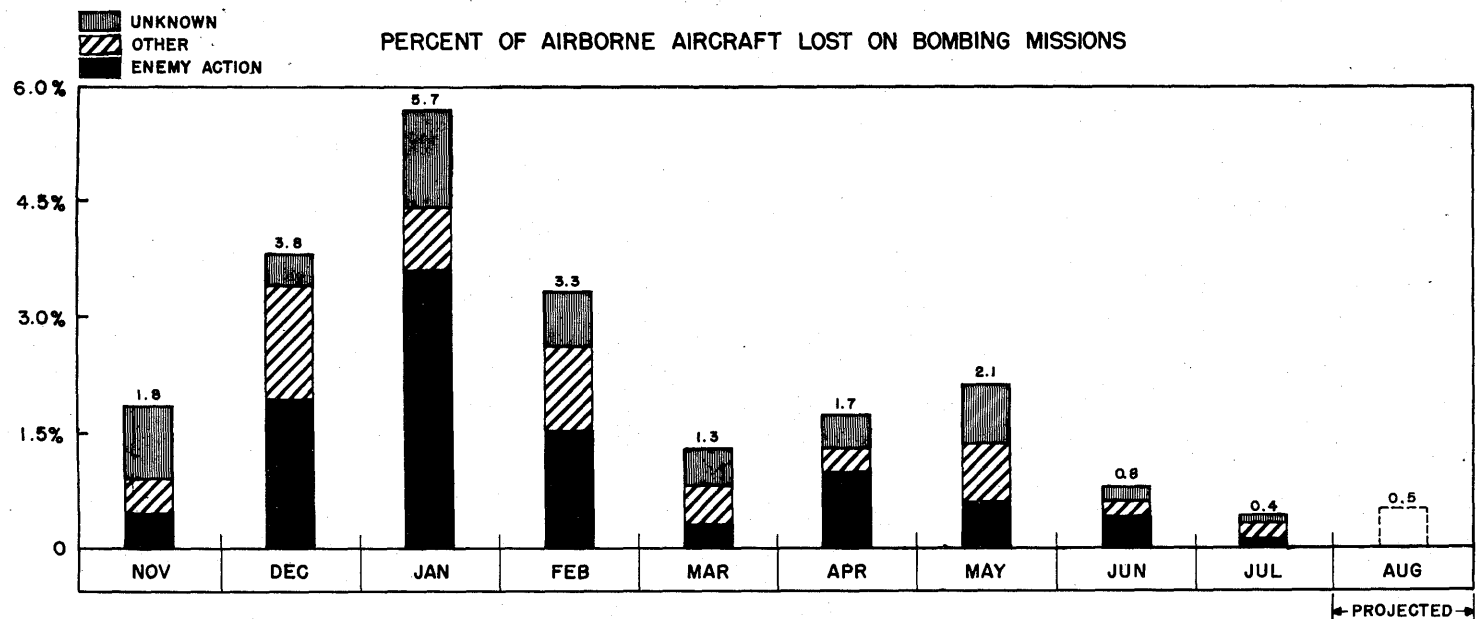
(NOTE: THESE BOMBS ARE NOT INCLUDED IN ANY OTHER TABLES OR CHARTS)

MONTH	LEAFLET BOMBS	PAMPHLETS	NEWSPAPERS
MAY	418	9,069,000	48,000
JUN	508	15,240,000	101,600
JUL	1201	33,006,000	200,600
TOTAL	2027	57,309,000	349,600

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ATTRITION



AIRCRAFT LOSSES

MONTH	LOST - BOMBING MISSIONS		LOST - OTHER COMBAT MISSIONS	LOST - TRAINING & ADMINISTRATION	LOST ON GROUND - ENEMY ACTION	LOST - WAR WEARY	TOTAL LOST			
	NO.	% OF SORTIES					NO.	% OF BOMBING SORTIES	% OF ALL SORTIES	% OF U.E.
NOV	4	1.8%	1		8		13	5.9%	4.3%	20.9%
DEC	20	3.8%	2		4		26	4.9%	4.4%	19.0%
JAN	27	5.7%		1			28	3.9%	4.4%	19.6%
FEB	24	3.3%	3	2			29	4.0%	3.0%	13.9%
MAR	34	1.3%	1	2		2	39	1.5%	1.4%	15.0%
APR	56	1.7%	1	2		4	63	1.9%	1.8%	18.5%
MAY	91	2.1%	1	2			94	2.1%	2.1%	19.6%
JUN	44	0.8%	0	3		32	79	1.5%	1.4%	15.0%
JUL	22	0.4%	0	3		30	55	0.9%	0.8%	8.9%
TO DATE	332	1.4%	9	15	12	68	426	1.8%	1.7%	15.6%
MAY - JUL	157	1.0%	1	8		62	228	1.4%	1.4%	14.1%

CAUSE OF AIRCRAFT LOSSES

MONTH	ENEMY A/C		FLAK		A/C & FLAK		COMBAT UNKNOWN		MECHANICAL				PERSONNEL				FLIGHT CONDITIONS (COMBAT)		ON GROUND TO ENEMY A/C		WAR WEARY		TOTAL	
	NO	%	NO	%	NO	%	NO	%	COMBAT		OTHER		COMBAT		OTHER		NO	%	NO	%	NO	%	NO	%
									NO	%	NO	%	NO	%	NO	%								
NOV	1	7.7					2	15.4	1	7.7			1	7.7					8	61.5			13	100
DEC	7	26.9	1	3.8	2	7.7	2	7.7	5	19.3			4	15.4			1	3.8	4	15.4			26	100
JAN	13	46.4			4	14.3	6	21.4	4	14.3	1	3.6											28	100
FEB	8	27.6			3	10.3	5	17.2	5	17.2	1	3.5	6	20.7	1	3.5							29	100
MAR			8	20.5			14	35.9	7	17.9	2	5.1	2	5.1			4	10.3			2	5.1	39	100
APR	11	17.5	10	15.9	12	19.1	14	22.2	5	7.9	2	3.2	5	7.9							4	6.3	63	100
MAY	8	8.5	17	18.1	4	4.3	31	23.0	23	24.5	1	1.1	2	2.1	1	1.1	7	7.4					94	100
JUN	6	7.6	14	17.7	3	3.8	9	11.4	10	12.7	3	3.8	2	2.5							32	40.5	79	100
JUL	1	1.8	2	3.6	1	1.8	6	10.9	11	20.0	2	3.6	1	1.8	1	1.8					30	54.6	55	100
TO DATE	55	12.9	52	12.2	29	6.8	89	20.9	71	16.7	12	2.8	23	5.4	3	0.7	12	2.8	12	2.8	68	14.0	426	100
MAY - JUL	15	6.6	33	14.5	8	3.5	46	20.2	44	19.3	6	2.6	5	2.2	2	0.8	7	3.1			62	27.2	228	100

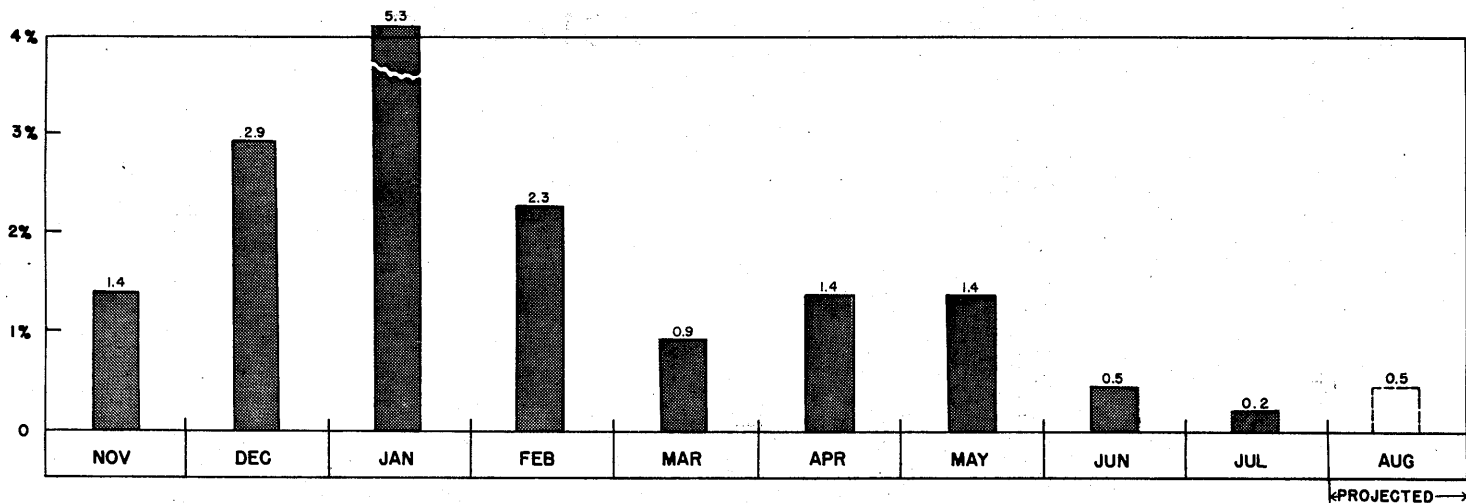
NOTE: Figures of special bomb groups not included on this page.

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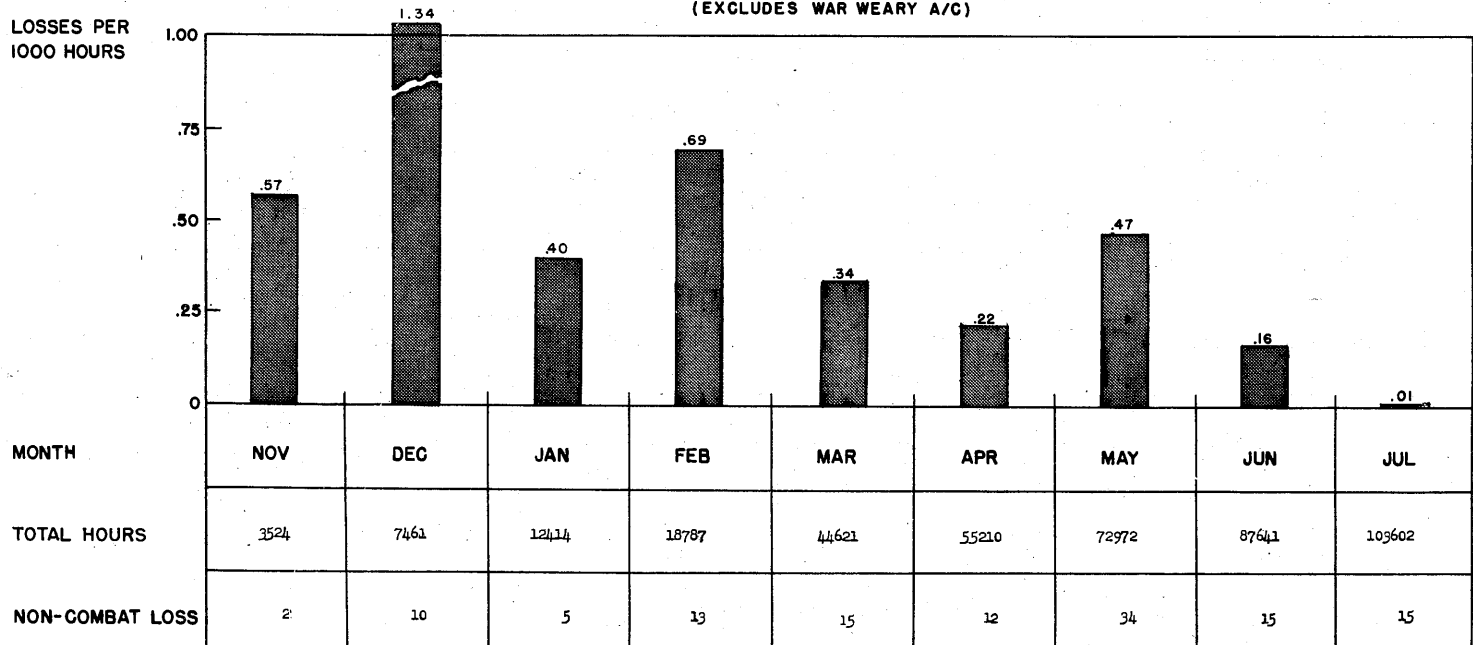
(CONTINUED)

PERCENT AIRBORNE CREWS LOST ON BOMBING
MISSIONS

CREW AND CREW MEMBER LOSSES

CREWS										CREW MEMBERS					
	LOST-BOMBING MISSIONS		LOST OTHER MISSIONS	LOST RECLASS GROUNDING ETC.	TOTAL CREWS LOST EXCLUDING ROTATION				TOT.COMPLETED TOUR OF DUTY		CREW MEMBERS ON BOMBING MISSIONS				
	NO.	% OF SORTIES			NO.	% OF BOMB SORTIES	% OF ALL SORTIES	% OF U.E.	NO.	% OF U.E..	AIRBORNE	KILLED	MISSING	SERIOUSLY WOUNDED	% OF AIRBORNE
NOV	3	1.4%	1		4	1.8%	1.3%	6.4%			2536	1	35	1	1.5%
DEC	15	2.9%		3	18	3.4%	3.0%	20.0%			4692	10	142	2	3.3%
JAN	25	5.3%	1	3	29	6.1%	4.5%	20.3%			5254	1	247	23	5.2%
FEB	17	2.3%	3	10	30	4.1%	3.1%	14.4%			8084	35	143	21	2.5%
MAR	24	.9%	1	4	29	1.1%	1.1%	11.2%			27111	16	226	28	1.0%
APR	46	1.4%		16	62	1.9%	1.8%	18.2%			37343	25	446	57	1.4%
MAY	63	1.4%	1	14	78	1.8%	1.7%	16.3%	6	2.6%	49231	80	555	94	1.5%
JUN	28	.5%		13	41	.8%	.8%	7.8%	63	17.5%	60402	21	283	60	.6%
JUL	13	.2%	2	15	30	.5%	.5%	4.9%	145	28.3%	69197	17	110	34	.2%
TO DATE	234	1.0%	9	78	321	1.4%	1.3%	11.8%	214	19.4%	263850	206	2187	320	1.0%
MAY-JUL	104	.7%	3	42	149	.9%	.9%	9.2%	214	19.4%	178830	118	948	188	.7%

TREND OF A/C LOSSES NOT DUE TO ENEMY ACTION OR UNKNOWN

NUMBER OF LOSSES PER 1000 HOURS FLOWN
(EXCLUDES WAR WEARY A/C)

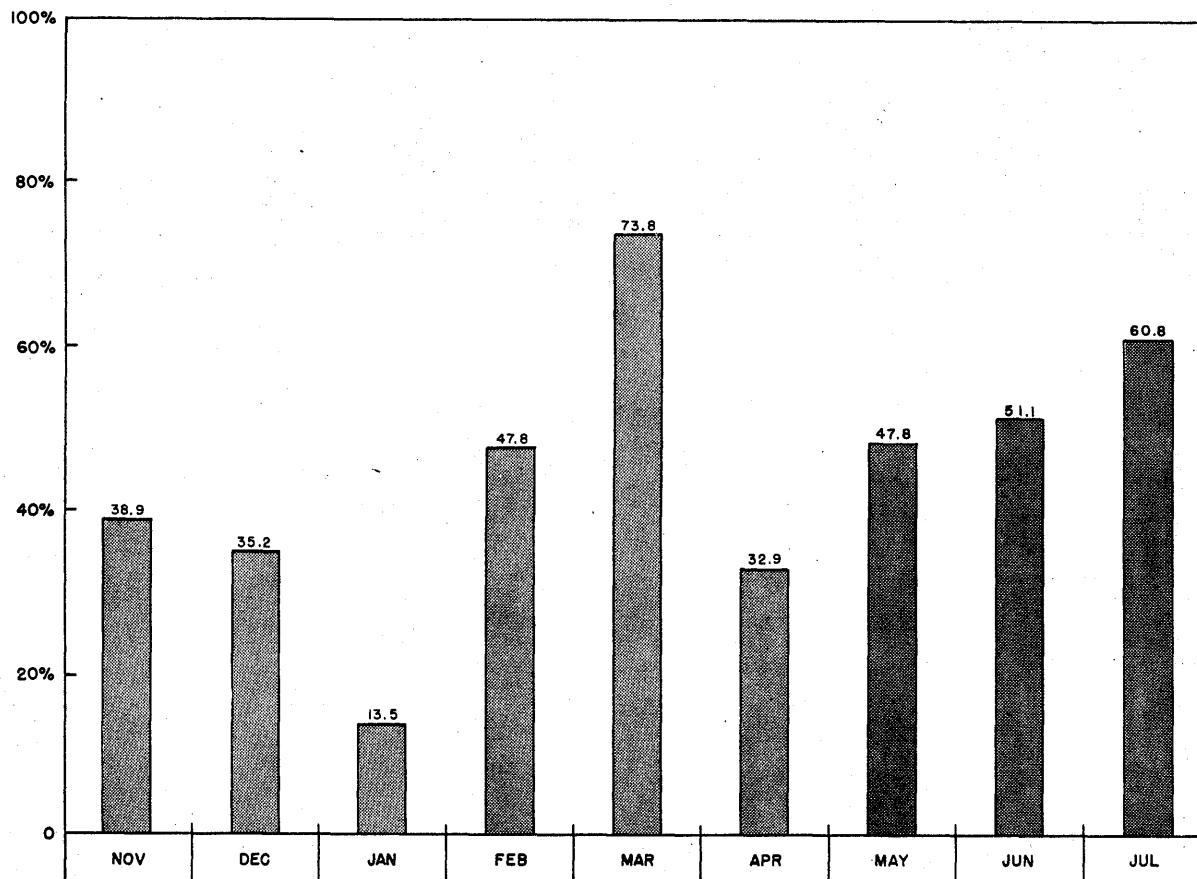
NOTE: Figures of special bomb groups not included on this page.

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AIR-SEA RESCUE ACTIVITIES

CREW MEMBERS RESCUED AS A PERCENT OF KNOWN DOWN AT SEA



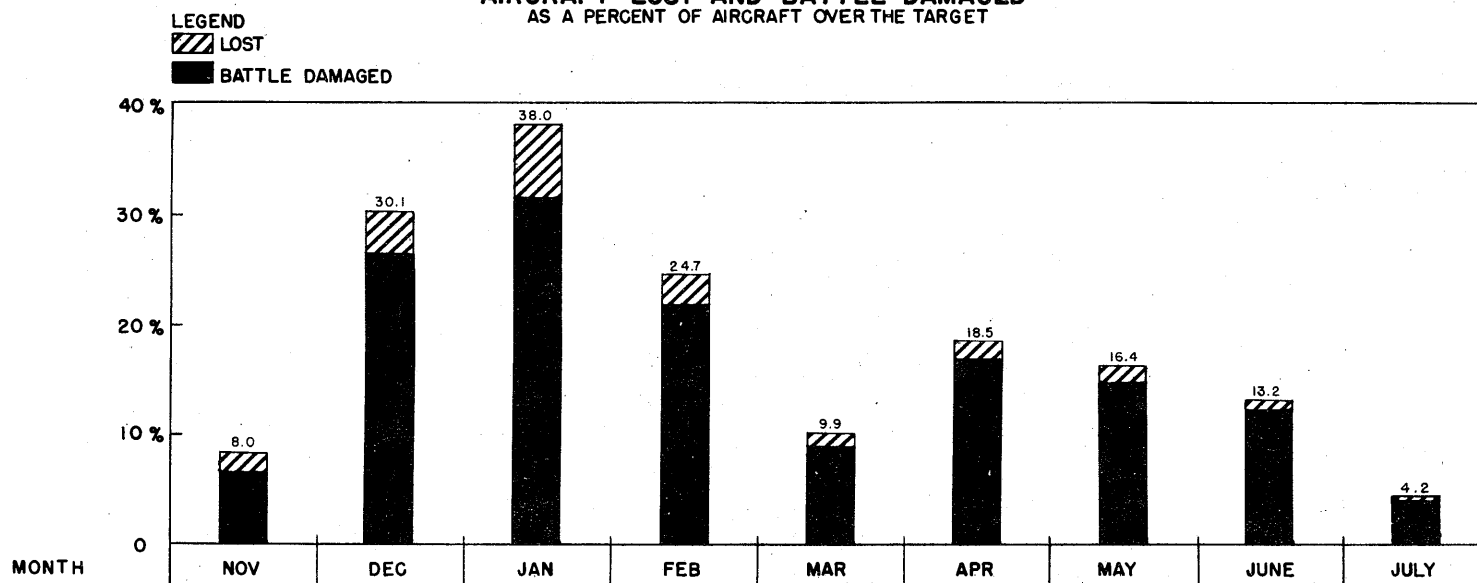
MONTH	FAILING TO RETURN AT COMPLETION OF MISSION	KNOWN DOWN AT SEA				NUMBER RESCUED	% RESCUED OF FAILING TO RETURN
		DITCHED	CRASHED	PARACHUTED	TOTAL		
NOV	70	36			36	14	20.0
DEC	227	157	22		179	63	27.8
JAN	279	122	33		155	20	7.2
FEB	259	102	34		136	65	25.1
MAR	312	107			107	79	25.3
APR	516	57	43	67	167	55	10.7
MAY	764	112	33	85	230	183	24.0
JUN	390	12	55	113	180	102	26.2
JUL	210	22	22	76	120	73	34.8
TO DATE	3027	727	242	341	1310	654	21.6

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BATTLE DAMAGE

AIRCRAFT LOST AND BATTLE DAMAGED
AS A PERCENT OF AIRCRAFT OVER THE TARGET



CAUSE OF AIRCRAFT DAMAGED

MONTH	WING	DAMAGE				BATTLE DAMAGE						OTHER DAMAGE	
		MAJOR	MINOR	TOTAL		ENEMY A/C	FLAK	FLAK & A/C	SELF-INFLICTED	TOTAL		ACCIDENT & MECH.	OTHER & UNKNOWN
				NO.	% SORTIES					NO.	% SORTIES		
NOV.	73RD	3	10	13	5.9	3	3	2	3	11	5.0		2
DEC.	73RD	17	68	85	20.5	22	41	14	6	83	20.0	2	
JAN.	73RD	22	108	130	27.5	68	20	21	11	120	25.4		10
FEB.	73RD	14	54	68	14.6	30	25	6	3	64	13.7	1	3
	313TH	6	64	70	28.6	16	44	6	4	70	28.6		
	TOTAL	20	118	138	18.8	46	69	12	7	134	18.3	1	3
MAR.	73RD	8	78	86	6.9	4	77	1		82	6.6		4
	313TH	6	53	59	6.3	2	48	7		57	6.1		2
	314TH		72	72	18.7	6	63	1	1	71	18.4		1
	TOTAL	14	203	217	8.4	12	188	9	1	210	8.2		7
APR.	73RD	25	179	204	15.7	30	130	38	3	201	15.5		3
	313TH	24	164	188	17.0	27	132	19	5	183	16.6	4	1
	314TH	27	113	140	14.8	19	90	23	2	134	14.2	2	4
	TOTAL	76	456	532	15.9	76	352	80	10	518	15.5	6	8
MAY	58TH	20	114	134	14.6	6	110	10	2	128	14.0		6
	73RD	15	133	148	12.8	18	116	10	3	147	12.7		1
	313TH	28	116	144	12.4	15	114	6	4	139	12.0	1	4
	314TH	48	143	191	16.2	13	155	17	1	186	15.7		5
	TOTAL	111	506	617	14.0	52	495	43	10	600	13.6	1	16
JUNE	58TH	20	117	137	10.5	7	115	7	2	131	10.1		6
	73RD	18	168	186	13.4	7	172	5	2	186	13.4		
	313TH	19	106	125	9.3	14	93	13	3	123	9.1		2
	314TH	41	147	188	14.6	22	130	26	5	183	14.2	2	3
	315TH		2	2	2.8		1			1	1.4		1
	TOTAL	98	540	638	11.8	50	511	51	12	624	11.6	2	12
JULY	58TH	20	90	110	8.5		108		1	109	8.5		1
	73RD	5	59	64	4.6	6	56	1		63	4.5	1	
	313TH	9	19	28	1.9	2	22	1		25	1.7	1	2
	314TH	4	16	20	1.4	4	15			19	1.4		1
	315TH	5	24	29	4.6	1	17			18	2.8	6	5
	TOTAL	43	208	251	4.1	13	218	2	1	234	3.8	8	9
TOTAL TO DATE		404	2217	2621	11.0	340	1899	234	61	2534	10.7	20	67

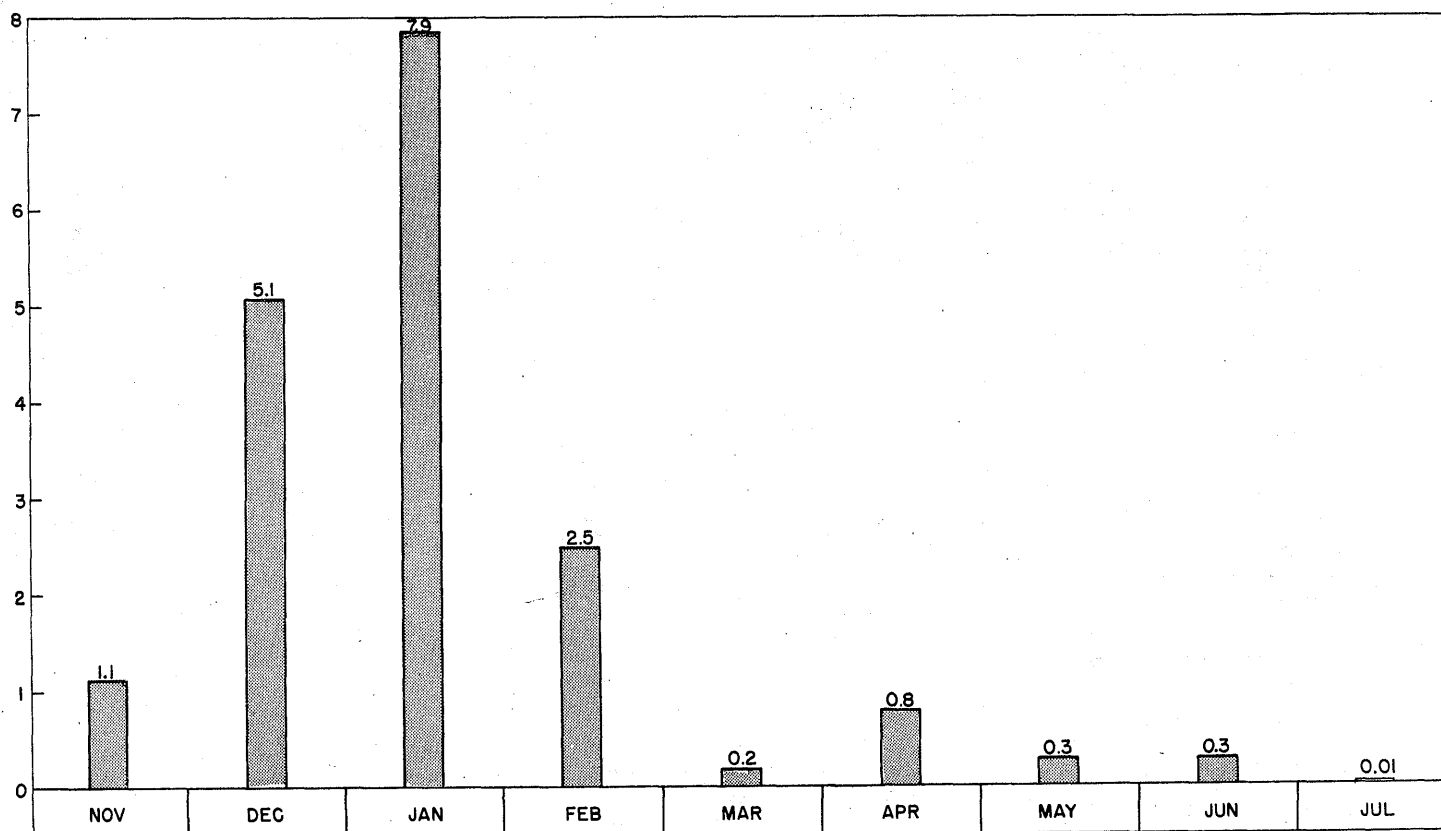
NOTE: Special bombing Group and Twentieth Air Force Combat Staging Center are not included in the above figures.

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ENEMY FIGHTER REACTION

NUMBER OF ENEMY AIRCRAFT ATTACKS PER B-29 OVER TARGET



COMBAT BOX SCORE

MONTH	ENEMY A/C SIGHTED	ENEMY A/C ATTACKS	ENEMY A/C DESTROYED	ENEMY A/C PROB. DESTROYED	% ATTACKING DESTROYED PROB. DESTROYED	ENEMY A/C DESTROYED PER B-29 LOST *	ATTACKS PER B-29 LOST TO ENEMY A/C	ATTACKS PER ENEMY A/C DESTROYED
NOV	193	185	7	18	13.5%	2.3	185	26
DEC	675	1597	49	50	6.2%	4.1	228	33
JAN	1264	2963	140	67	7.0%	6.1	228	21
FEB	734	1341	71	59	9.7%	4.4	168	19
MAR	1210	445	15	7	1.0%	.7		30
APR	3164	2414	201	105	12.7%	4.3	219	12
MAY	833	1278	131	82	16.7%	2.2	160	10
JUN	766	1554	95	68	10.5%	3.0	259	16
JUL	651	78	3	0	3.8%	0.3	78	26
TO DATE	9490	11855	712	456	9.9%	2.8	216	17
MAY-JUL	2250	2910	229	150	13.0%	2.2	194	13

* INCLUDES AIRCRAFT LOST TO ENEMY ACTION OR UNKNOWN

ENEMY AIRCRAFT DAMAGED ON GROUND TO DATE 165, DESTROYED 190, PROB. DESTROYED 12.

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TWENTIETH AIR FORCE

SUMMARY OF STAFF PLANNING FACTORS FOR B-29 AIRCRAFT AND CREWS

<u>USE OF AIRCRAFT</u>	<u>JULY</u>		<u>MAY-JULY</u>	<u>AUGUST</u>	<u>DECEMBER</u>
	<u>PLANNED</u>	<u>ACTUAL</u>	<u>ACTUAL</u>	<u>PLANNED</u>	<u>PLANNED</u>
AVERAGE AIRCRAFT ASSIGNED	894	923	808.2	953	1120
SORTIES PER ASSIGNED AIRCRAFT PER MONTH	7.1	7.1	6.9	7.5	8.3
TOTAL SORTIES	6350	6536	5583	7100	9300
COMBAT FLYING HOURS PER ASSIGNED AIRCRAFT PER MONTH	103	99.5	96.8	109	121
NON-COMBAT FLYING HOURS PER ASSIGNED AIRCRAFT PER MONTH	12	14.7	12.6	11	12
TOTAL FLYING HOURS PER ASSIGNED AIRCRAFT PER MONTH	115	114.2	109.4	120	133
PERCENT OF AIRCRAFT BOMBING PRIMARY TARGET	94%	93.9%	91.5%	94%	90%
PERCENT OF AIRCRAFT BOMBING ALL TARGETS	96%	95.5%	94.1%	96%	95%

<u>USE OF COMBAT CREWS</u>					
AVERAGE CREWS ASSIGNED	1124	1098	964.6	1312	1760
SORTIES PER ASSIGNED CREW PER MONTH	5.6	6.0	5.8	5.4	5.3
COMBAT FLYING HOURS PER ASSIGNED CREW PER MONTH	82	83.7	81.4	79	77
NON-COMBAT FLYING HOURS PER ASSIGNED CREW PER MONTH	10	12.3	10.5	8	8
TOTAL FLYING HOURS PER ASSIGNED CREW PER MONTH	92	96	91.9	87	85
RATIO OF ASSIGNED CREWS TO U.E. (TWO-THIRDS OF ASSIGNED) AIRCRAFT	1.9	1.8 TO 1	1.8 TO 1	2.1	2.4

<u>CONSUMPTION FACTORS</u>					
AVERAGE BOMB LOAD PER BOMBING SORTIE (TONS)	7.25	7.7	7	8	8.3
AVERAGE GASOLINE CONSUMPTION PER FLYING HOUR (GALLONS)	460	410	414	460	460
AVERAGE HOURS ON ENGINES BEFORE OVERHAUL	270	269	264	275	308
AVERAGE 50 CALIBER AMMUNITION EXPENDED PER SORTIE (ROUNDS)	200	25	188	200	500

<u>ATTRITION & REPLACEMENT</u>					
AIRCRAFT ATTRITION PER SORTIE (INCLUDING WAR WEARY A/C)	1.5%	0.8%	1.4%	1.2%	1.4%
CREW ATTRITION PER SORTIE (EXCLUDING ROTATION)	1.2%	0.5%	0.9%	0.5%	0.5%
AIRCRAFT LOSS RATE PER U.E. PER MONTH	20%	8.9%	14.1%	20%	20%
CREW LOSS RATE PER U.E. PER MONTH (FOR CASUALTIES)	16%	4.9%	11.8%	16%	16%
CREW LOSS RATE PER U.E. PER MONTH (FOR ROTATION) (COMMENCING FIVE MONTHS AFTER UNIT IS IN THEATER)	24%	28.3%	19.4%	24%	24%
TOUR OF DUTY FOR CREWS (CREW CREDIT SORTIES)	35	35	35	35	35

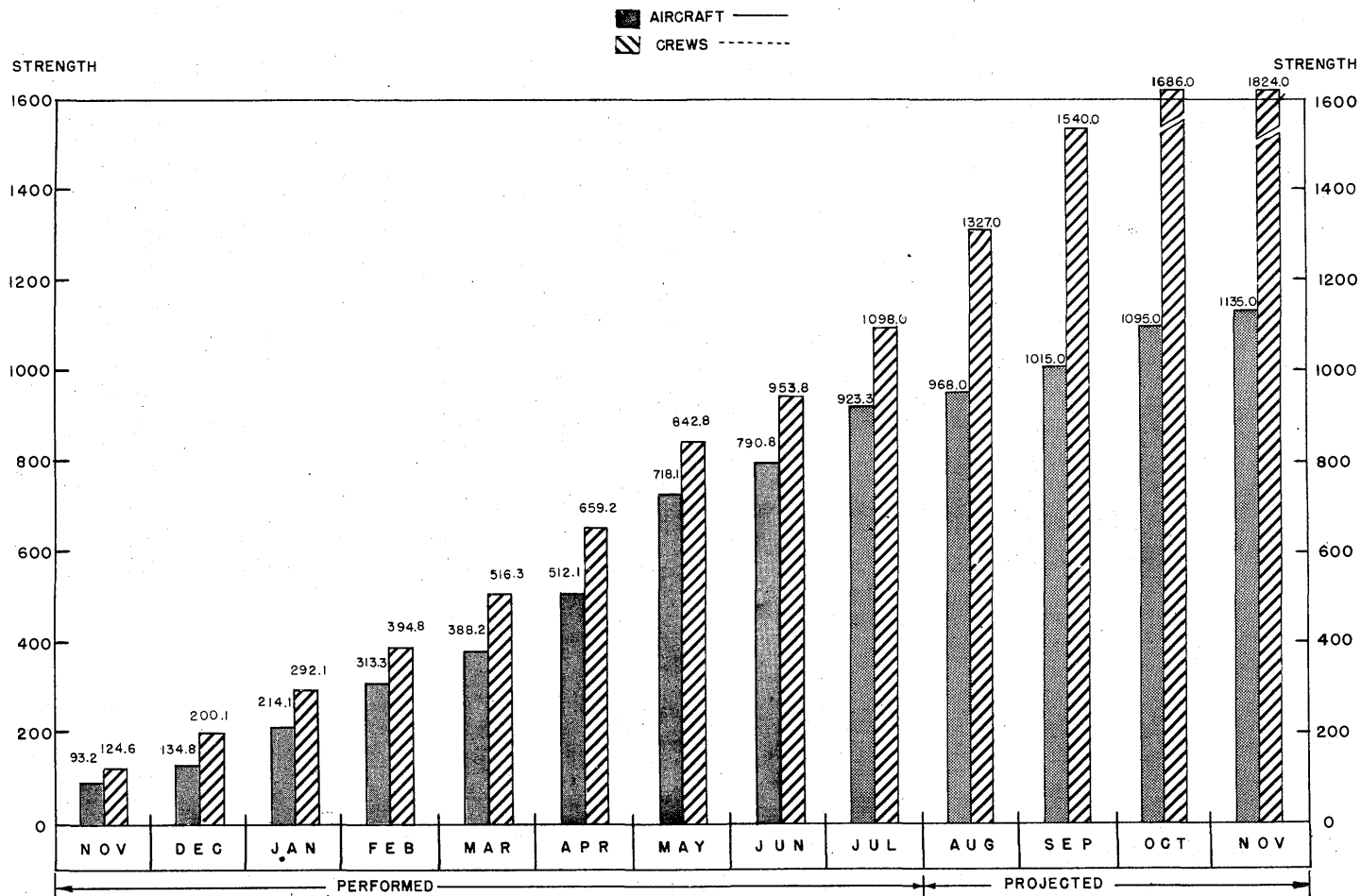
NOTE: ACTIVITIES OF SPECIAL BOMB GROUPS AND COMBAT STAGING CENTER ARE NOT INCLUDED IN THE ABOVE.

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AIRCRAFT AND CREW STRENGTH

AVERAGE B-29 AIRCRAFT & CREW STRENGTH



AV. A/G STRENGTH	PERFORMED									PROJECTED			
	1944	1945											
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
58 TH WING					5.1	13.9	153.7	171.7	189.9	199	200	216	224
73 RD WING	93.2	133.1	136.5	158.3	178.9	179.4	194.8	187.2	194.6	196	200	216	224
313 TH WING		1.7	77.6	129.4	142.7	173.0	178.7	180.8	190.8	195	200	216	224
314 TH WING				25.6	61.5	145.7	188.7	183.4	192.8	199	200	216	224
315 TH WING							2.2	59.0	132.1	176	200	216	224
TOTAL B-29*	93.2	134.8	214.1	313.3	388.2	512.1	718.1	790.8	923.3	968	1015	1095	1135
F13 3RD PRS	5.6	8.6	12.2	14.9	21.9	22.9	18.0	15.0	16.7	18	18	18	18
B 24 55 RECON 8 3 PRS				1.0	7.2	7.2	14.1	18.1	16.4	18	18	18	18
F5 41 PHOTO								1.4	14.3	24	24	24	24
G54 509TH GP								3.4	5.0	5	5	5	5

AV. CREW STRENGTH

	NOV 1944	DEC 1944	JAN 1945	FEB 1945	MAR 1945	APR 1945	MAY 1945	JUN 1945	JUL 1945	AUG 1945	SEP 1945	OCT 1945	NOV 1945
58 TH WING					5.2	14.3	168.4	217.5	232.2	282	323	344	367
73 RD WING	124.6	197.6	212.0	214.3	241.1	248.7	235.8	230.5	233.1	276	323	344	367
313 TH WING		2.5	80.1	152.2	179.7	216.5	213.5	221.0	243.8	281	324	344	367
314 TH WING				28.3	90.3	179.6	223.0	222.0	236.1	287	324	345	367
315 TH WING							2.1	54.5	130.6	186	231	294	341
TOTAL B-29*	124.6	200.1	292.1	394.8	516.3	659.2	842.8	953.8	1098.0	1327	1540	1686	1824
F13 3RD PRS	7.1	14.0	15.8	15.7	18.2	22.4	32.4	27.4	28.7	30	30	30	30
B24 55 RECON & 3 PRS				.4	8.2	8.6	15.0	21.0	22.5	25	25	25	25
F5 41 PHOTO								1.4	14.1	24	24	24	24
G54 509TH GP								3.0	8.0	8	8	8	8

NOTE: Crew strength and ratios using crew strength figures exclude crews on D. S. in the United States. Aircraft strength and ratios using aircraft strength figures exclude aircraft at the Guam Air Depot for 4th Echelon Maintenance. In addition, aircraft strength and ratios using aircraft strength figures include F-13 aircraft assigned to the five Wings, but not those assigned to Photo Reconnaissance Squadrons.

* Total B-29 aircraft and crew figures above include Special Bombardment Group and Twentieth Air Force Combat Staging Center.

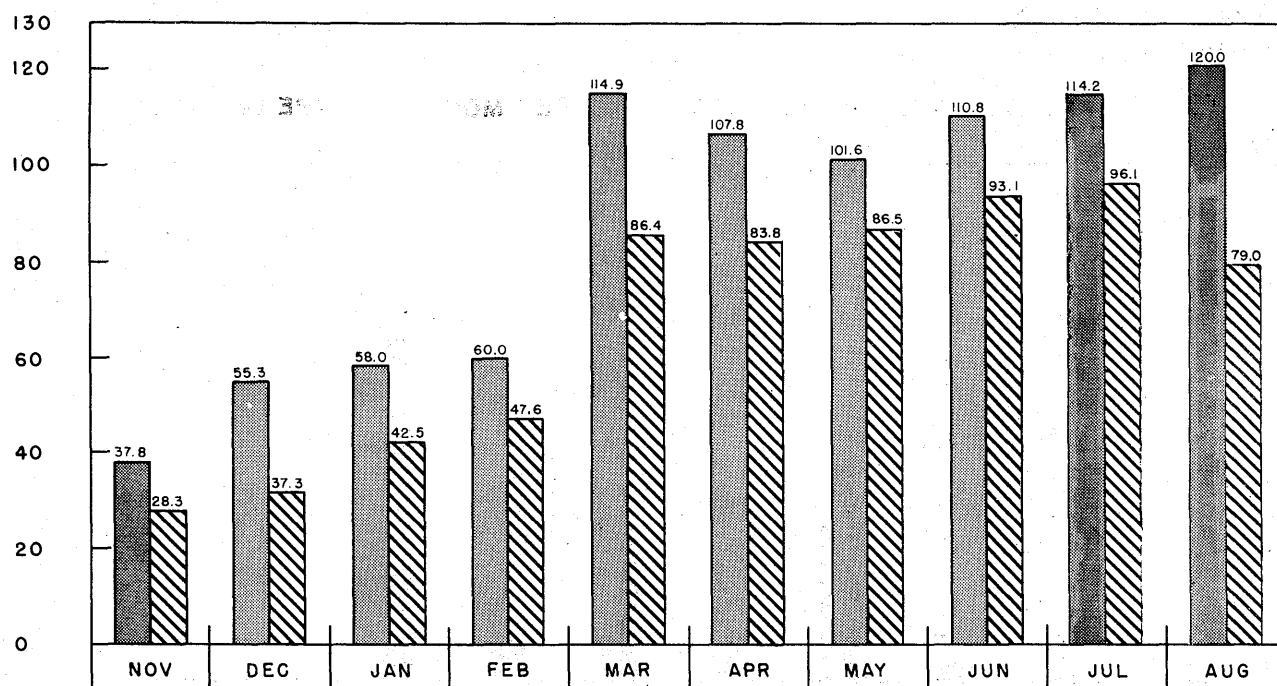
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B-29 FLYING TIME

■ AIRCRAFT
 ▨ CREW

AVERAGE HOURS FLOWN PER ASSIGNED AIRCRAFT AND CREW



PROJECTED

HOURS FLOWN PER ASSIGNED AIRCRAFT AND CREW

	58TH WING		73RD WING		313TH WING		314TH WING		315TH WING		AVERAGE	
	HOURS PER		HOURS PER		HOURS PER		HOURS PER		HOURS PER		HOURS PER	
	A/C	CREW	A/C	CREW	A/C	CREW	A/C	CREW	A/C	CREW	A/C	CREW
NOV			37.8	28.3							37.8	28.3
DEC			55.6	37.5	34.1	23.2					55.3	37.3
JAN			62.2	40.0	50.6	49.1					58.0	42.5
FEB			65.9	48.7	50.4	42.9	71.1	64.3			60.0	47.6
MAR	21.4	21.0	119.0	88.3	108.5	86.2	125.6	85.6			114.9	86.4
APR	6.4	6.2	117.1	84.5	100.3	80.0	115.2	93.5			107.8	83.8
MAY	94.1	85.8	101.7	84.0	104.8	87.7	105.3	89.1	50.5	52.9	101.6	86.6
JUN	121.2	95.7	116.9	95.0	118.6	97.0	111.9	92.5	45.9	49.7	110.8	91.9
JUL	116.4	95.2	121.6	101.5	122.6	96.0	120.3	98.3	85.2	86.2	114.2	96.1
MAY-JUL	111.3	92.8	113.5	93.5	115.5	93.7	112.5	93.3	72.8	75.2	109.4	91.9

TOTAL -29 HOURS FLOWN

	58TH WING	73RD WING	313 TH WING	314 TH WING	315 TH WING	COMBAT STAGING CENTER	TWENTIETH AIR FORCE						
							COMBAT		TRAINING		OTHER		TOTAL
							NO.	%	NO.	%	NO.	%	
NOV		3524					3239	91.9	128	3.6	154	4.4	3524
DEC		7403	58				6742	90.4	223	3.0	496	6.6	7461
JAN		8484	3930				7879	63.5	2127	17.1	2408	19.4	12414
FEB		10441	6525	1821			13183	70.2	4006	21.3	1598	8.5	18787
MAR	109	21296	15490	7726			39278	88.0	3800	8.5	1543	3.5	44621
APR	89	21005	17325	16791			48911	88.6	5683	10.3	616	1.1	55210
MAY	14456	19810	18727	19868	111		65102	89.2	6645	9.1	1225	1.7	72972
JUN	20813	21892	21480	20528	2711	217	78575	89.7	7185	8.2	1881	2.1	87641
JUL	22095	23657	23393	23174	11256	827	91875	87.1	11425	10.8	2149	2.1	105449
TO DATE	57562	137512	106889	89908	14078	1044	354784	86.9	41222	10.1	12073	3.0	408079

NOTE: Air Force totals include special organizations not individually shown above.

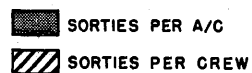
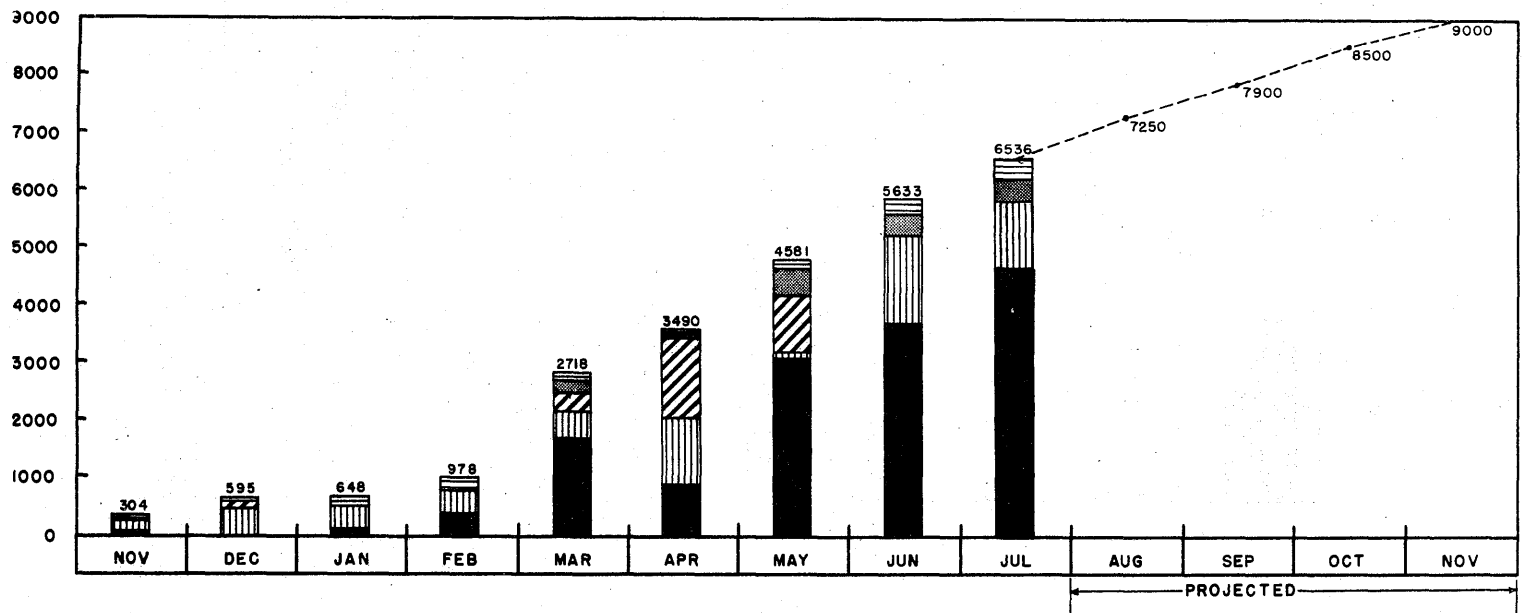
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SORTIES FLOWN

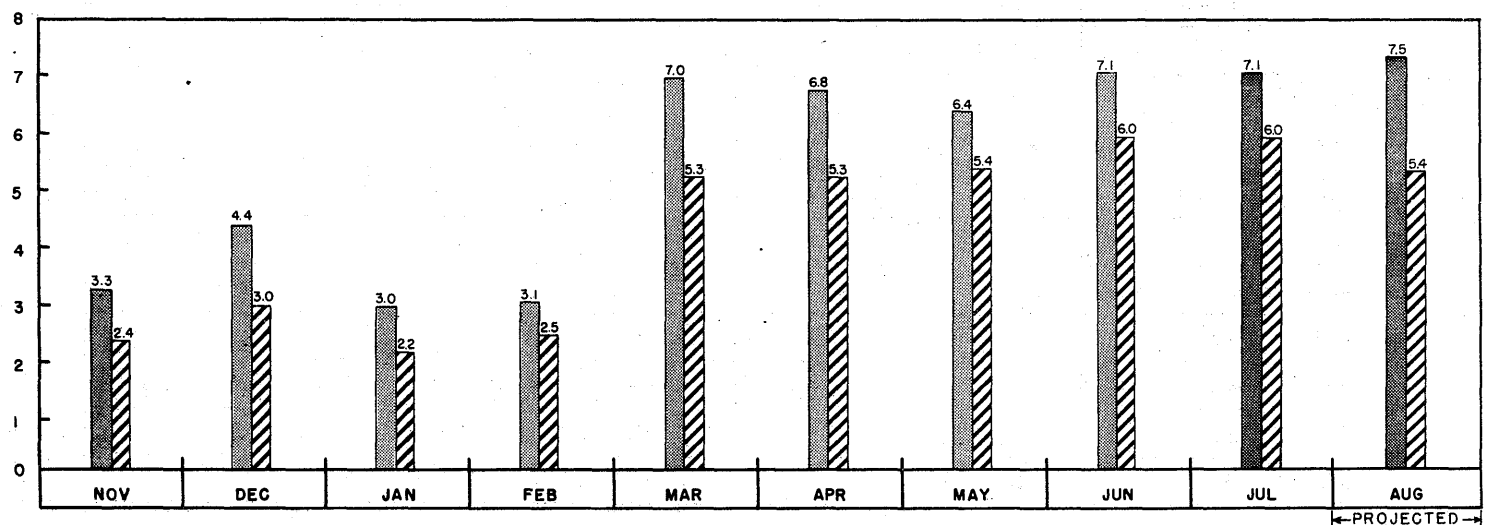
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TOTAL B-29 AND F-13 SORTIES FLOWN PER MONTH BY TYPE OF TARGET



AVERAGE SORTIES FLOWN PER A/C AND CREW ASSIGNED



SORTIES PER A/C AND CREW ASSIGNED

	58TH WING		73RD WING		313TH WING		314TH WING		315TH WING		AVERAGE	
	SORTIES PER		SORTIES PER		SORTIES PER		SORTIES PER		SORTIES PER		SORTIES PER	
	A/C	CREW	A/C	CREW	A/C	CREW	A/C	CREW	A/C	CREW	A/C	CREW
NOV			3.3	2.4							3.3	2.4
DEC			4.5	3.0	.0	.0					4.4	3.0
JAN			4.1	2.6	1.2	1.2					3.0	2.2
FEB			3.6	2.7	3.0	2.5	.9	.8			3.1	2.5
MAR			7.4	5.5	6.7	5.3	7.0	4.8			7.0	5.3
APR			7.8	5.6	6.4	5.1	6.7	5.4			6.8	5.3
MAY	6.0	5.5	6.5	5.4	6.6	5.5	6.4	5.4	3.6	3.8	6.4	5.4
JUN	7.7	6.1	7.8	6.3	7.8	6.3	7.3	6.1	1.5	1.6	7.1	5.9
JUL	6.8	5.6	7.5	6.2	8.0	6.2	7.7	6.3	4.9	4.9	7.1	6.0
MAY-JUL	6.9	5.7	7.2	6.0	7.4	6.0	7.1	5.9	3.8	4.0	6.9	5.8

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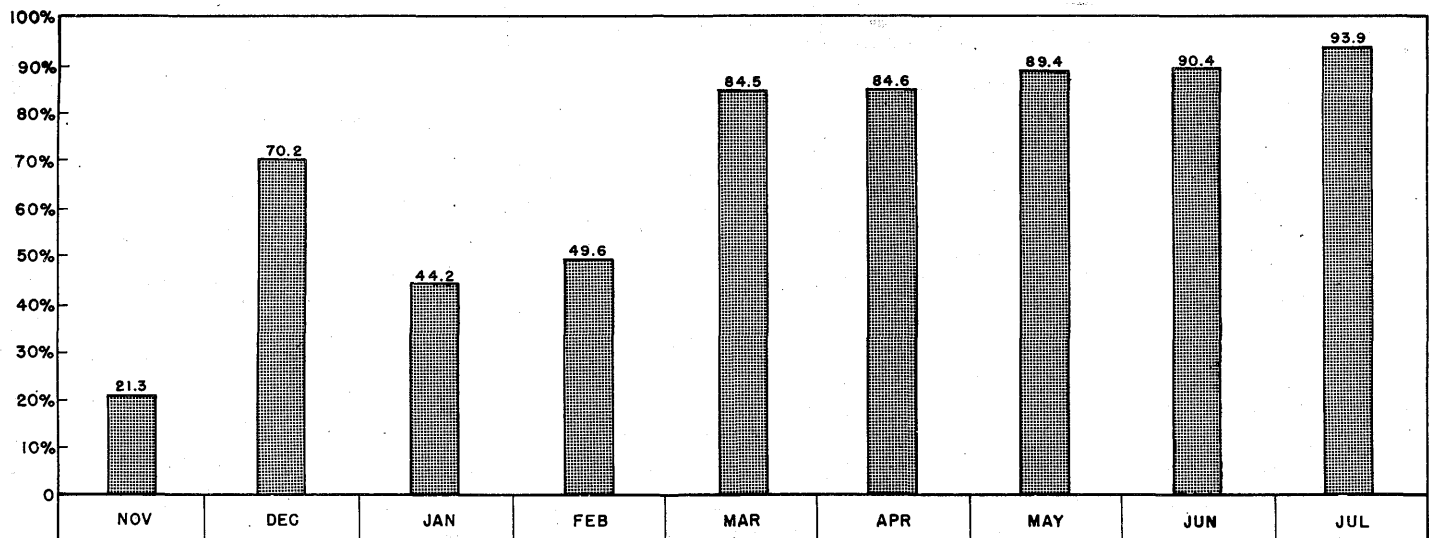
TOTAL SORTIES FLOWN PER MONTH

		58TH WING	73RD WING	313TH WING	314TH WING	315TH WING	STAGING CENTER	TOTAL B-29	B-24 AND F-13 SORTIES 3RD P.R.S. 55TH WEATHER	B-24 SORTIES
OCT	SHAKEDOWN		36					36		
	BOMBING		221					221		
NOV	SHAKEDOWN		82					82		
	TOTAL		304					304	28	
DEC	BOMBING		526					526		
	WEATHER STRIKE		69					69		
	TOTAL		595					595	27	
JAN	BOMBING		473					473		
	SHAKEDOWN			94				94		
	WEATHER STRIKE		74					74		
	TOTAL		554	94				648	28	
FEB	BOMBING		467	245	22			734		
	SHAKEDOWN		9	118				127		
	WEATHER STRIKE		83					83		
	PHOTO RECON		9					9		
	SEA SEARCH			25				25		
	TOTAL		568	388	22			978	33	
MAR	BOMBING		1240	745	386			2371		
	WEATHER STRIKE		88		1			89		
	RADARSCOPE			8	44			52		
	SEA SEARCH			6				6		
	MINING		4	196				200		
	TOTAL		1332	955	431			2718	48	28
APR	BOMBING		1296	1047	943			3286		
	WEATHER STRIKE		90					90		
	RADARSCOPE		8	2				10		
	SEA SEARCH		1	5	8			14		
	MINING			57				57		
	FIGHTER ESCORT		9	1	23			33		
	TOTAL		1404	1112	974			3490	68	29
MAY	BOMBING	916	1155	742	1182			3995		
	WEATHER STRIKE & RECON.		93					93		
	RADARSCOPE		3			8		11		
	SEA SEARCH	4	6	6	6			22		
	MINING			421				421		
	FIGHTER ESCORT	3	15	4	17			39		
	TOTAL	923	1272	1173	1205	8		4581	78	40
JUN	BOMBING	1303	1392	979	1285	71		5030		
	WEATHER STRIKE & RECON.		30	31	26			87		
	RADARSCOPE & PHOTO RECON.	4	18	7	15	16		60		
	SEA SEARCH	3	9	8	8			28		
	MINING			367				367		
	FIGHTER ESCORT	7	2	11	10		31	61		
	TOTAL	1317	1451	1403	1344	87	31	5633	66	94
JUL	BOMBING	1288	1390	1090	1388	634		5888		
	WEATHER & LEAFLETS		43	32	31			106		
	RADARSCOPE & PHOTO RECON	4	15	10	53	11		93		
	SEA SEARCH	2	2	4	2		5	15		
	MINING			384				384		
	FIGHTER ESCORT	3	1		6		100	110		
	TOTAL	1297	1451	1520	1480	645	105	6536	82	120
TO DATE	BOMBING	3507	8287	5060	5206	705		22803		
	WEATHER & LEAFLETS		570	63	58			691		
	RADARSCOPE & PHOTO RECON	8	61	27	112	35		243		
	SEA SEARCH	9	18	54	24		5	110		
	MINING		4	1425				1429		
	FIGHTER ESCORT	13	27	16	56		131	243		
	TOTAL	3537	8967	6645	5456	740	136	25519	458	311

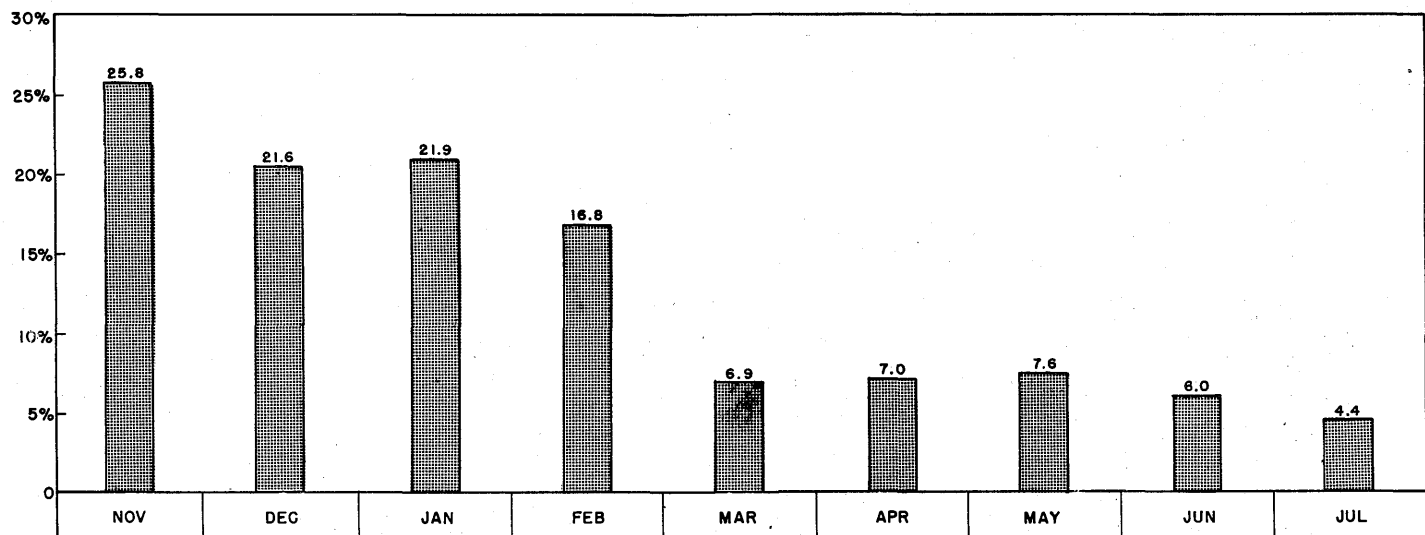
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EFFECTIVENESS OF AIRCRAFT

PERCENT OF AIRBORNE AIRCRAFT BOMBING PRIMARY TARGET



PERCENT OF AIRBORNE AIRCRAFT NON-EFFECTIVE



NUMBER OF NON-EFFECTIVE AIRCRAFT
AS A PERCENT OF AIRBORNE

	58TH WING			73RD WING			313TH WING			314TH WING			315TH WING			TOTAL				
	MAY	JUN	JUL	MAY	JUN	JUL	MAY	JUN	JUL	MAY	JUN	JUL	MAY	JUN	JUL	MAR	APR	MAY	JUN	JUL
MAINTENANCE & MATERIEL FAILURES																				
ENGINE FAILURES	2.7	2.8	3.0	3.2	3.3	2.3	3.4	3.0	2.4	3.5	4.0	2.6		5.6	1.9	3.0	3.2	3.2	3.3	2.5
MECHANICAL FAILURES	1.2	1.2	.8	2.2	.9	.7	2.2	1.1	1.2	1.6	1.3	1.0		-	1.7	1.5	1.3	1.8	1.1	1.0
MECHANICAL & PERSONNEL FAILURES	1.7	.5	.4	1.3	1.1	.4	1.7	1.0	1.0	.8	1.2	.5		-	.2	1.2	1.1	1.4	.9	.6
TOTAL	5.6	4.4	4.2	6.7	5.3	3.4	7.3	5.1	4.7	5.9	6.5	4.1		5.6	3.8	5.8	5.7	6.4	5.3	4.0
AIR CREW FAILURES	.5	.5	.3	.5	.5	.1	.8	.4	.1	1.3	.6	.1		-	.6	.8	.6	.8	.5	.2
ENEMY ACTION	.3	-	.1	.1	-	-	-	.1	-	.1	.3	-		-	.2	.1		.1	.1	.03
OTHER	.5	.2	.1	.4	-	-	.2	.1	.1	.3	.4	.1		1.4	.6	.3	.6	.3	.2	.1
TOTAL	6.6	5.1	4.6	7.7	5.8	3.4	8.3	5.6	4.9	7.4	7.5	4.4		7.0	5.1	6.9	7.0	7.6	6.0	4.4

NOTE: The above figures on this page do not include activities of special bombardment groups or the Combat Staging Center.

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MONTHLY SUMMARY OF BOMBING & MINING MISSIONS BY WING

MONTH & WING	A/C ASSIGNED	A/C SCHEDULED	A/C AIRBORNE	AIRCRAFT BOMBING				A/C BOMBING MAINLAND TARGETS	A/C EFFECT- IVE	% BOMBING TO AIRBORNE			% NON- EFFECTIVE MECH.	TONS ON PRIMARY		TOTAL TONS DROPPED	A/C LOST		A/C BATTLE DAM- AGED	CREWS LOST	ENEMY AIRCRAFT		
				PRIMARY	SEC.	OTHER	TOTAL			PRIMARY	PRIMARY VISUAL	ALL		H.E.	INCEND.		E/A	OTHER			ATTACKS	DEST.	PROB. DEST.
NOVEMBER																							
73rd Wing	356	236	221	47	108	20	175	175	175	21.3	10.9	19.2	19.0	54.2	81.6	448	1	3	13	3	185	7	18
DECEMBER																							
73rd Wing	930	556	526	365	24	42	431	316	436	70.2	37.3	82.9	14.7	1090.9	327.2	1614	10	10	85	15	1597	49	50
JANUARY																							
73rd Wing	822	495	473	205	83	91	379	375	388	44.2	38.8	81.7	12.3	349.4	172.1	1012	17	10	130	25	2963	140	67
FEBRUARY																							
73rd Wing	795	485	467	215	82	107	404	390	416	47.3	20.2	88.8	7.7	220.9	415.9	1222	7	6	68	9	1013	53	32
313th Wing	654	265	245	125	37	43	205	203	205	51.0	18.4	83.7	7.3	88.0	209.3	492	4	6	70	8	328	18	27
314th Wing	57	22	22	18		3	21	20	21	81.8		95.5		4.5	28.6	39		1					
Total	1506	772	734	358	119	153	630	613	642	49.6	19.0	87.3	7.4	313.4	653.8	1753	11	13	138	17	1341	71	59
MARCH																							
73rd Wing	1615	1264	1244	999	94	32	1125	1122	1160	82.8	28.3	93.2	4.5	1518.8	4995.9	6995	1	8	86	8	196	2	3
313th Wing	1303	1000	941	780	69	18	867	860	869	83.2	36.9	92.4	4.5	1483.3	3501.3	5287	6	10	59	9	114	2	
314th Wing	573	389	386	355		5	359	358	364	93.2	57.2	94.5	4.7	300.1	1150.1	1462	1	8	72	7	135	11	4
Total	3491	2653	2571	2134	163	55	2351	2340	2393	84.5	35.8	93.1	4.7	3302.2	9647.3	13744	8	26	217	24	445	15	7
APRIL																							
73rd Wing	5035	1342	1296	1098	67	38	1195	1190	1229	87.1	44.0	94.8	3.4	4911.2	1648.3	7189	14	8	204	19	1147	114	47
313th Wing	5240	1157	1104	845	27	105	977	980	1001	78.6	51.8	90.9	6.3	3323.5	1385.6	5396	6	9	187	10	728	55	35
314th Wing	4841	974	943	825		48	873	871	879	88.1	61.9	93.3	4.3	2582.9	848.3	3634	13	6	140	17	543	32	23
Total	15116	3473	3343	2768	94	183	3045	3041	3109	84.6	51.7	93.1	4.6	10817.6	3882.2	16219	33	23	531	46	2418	201	105
MAY																							
58th Wing	1439	936	916	824		23	847	844	856	90.9	43.4	93.4	3.8	973.9	4074.7	5188	6	17	134	16	184	23	5
73rd Wing	1922	1189	1155	1027		19	1046	1042	1066	90.6	35.1	92.2	5.8	1539.8	5221.9	6880	4	10	148	12	261	20	11
313th Wing	5641	1224	1163	983	11	44	1038	1037	1066	87.0	31.0	91.9	5.4	3655.0	2599.2	4592	11	24	143	19	422	57	30
314th Wing	4228	1237	1182	1045		37	1682	1681	1694	89.4	57.8	92.6	5.4	1937.3	3701.6	5831	6	14	191	16	411	31	36
Total	13230	4586	4416	3879	11	123	4013	4004	4082	89.4	43.0	92.5	5.2	8106.0	15597.4	24491	27	65	616	63	1278	131	82
JUNE																							
58th Wing	2377	1333	1303	1163	15	35	1213	1210	1236	90.9	43.0	94.8	4.0	2134.9	5276.5	7734	6	7	137	10	279	9	16
73rd Wing	1833	1424	1392	1264		28	1292	1288	1311	92.2	35.8	94.2	4.2	2415.8	6251.4	8855	4	5	186	3	232	30	8
313th Wing	4619	1399	1347	1180	11	44	1235	1236	1272	90.1	28.9	94.3	3.9	3601.4	4155.5	8124	4	3	125	4	412	16	15
314th Wing	2891	1332	1285	1114		52	1166	1161	1189	88.3	40.8	92.4	5.2	2014.1	4875.3	7209	9	6	188	11	631	40	29
315th Wing	204	77	71	65		1	66		66	91.5	4.2	92.9	5.6	431.3		438			2				
Total	11924	5565	5398	4786	26	160	4972	1	5074	90.4	37.1	93.9	4.3	10597.5	20558.7	32360	23	21	638	28	1554	95	68
JULY																							
58th Wing	2078	1303	1288	1176		23	1199	1198	1230	93.6	47.4	95.4	3.7	1018.6	7727.9	8922	1	4	109	2	3		
73rd Wing	1915	1410	1390	1292		19	1311	1321	1340	94.9	11.0	96.3	3.0	1010.0	8218.3	9359		4	64	3	7	1	
313th Wing	3924	1482	1474	1332	17	13	1362	1363	1401	93.0	35.8	95.1	3.5	2871.9	6810.3	9889	1	6	26	4	33	1	
314th Wing	2266	1407	1388	1288		13	1301	1311	1327	94.6	30.1	95.5	3.6	835.3	8466.6	9404	1	2	19	1	27	1	
315th Wing	1318	646	634	577		13	590	599	602	92.8	5.8	94.9	3.6	4817.6		4945	1	2	24	3	8		
Total*	14553	6287	6212	5681	30	89	5800	5829	5937	93.6	28.0	95.5	3.5	10633.4	31223.1	42704	4	18	243	13	78	3	
TOTAL TO DATE*	58955	24623	23894	20223	658	916	21797	21654	22236	86.3	36.9	93.0	4.9	45264.6	82143.4	134345	134	189	2611	234	11859	712	456
MARCH - JULY																							
58th Wing	5894	3572	3507	3163	15	81	3259	3252	3322	91.8	44.7	94.6	3.8	4127.4	17079.1	21844	13	28	380	28	466	32	21
73rd Wing	12320	6629	6477	5680	161	328	15969	15963	16106	89.7	30.5	94.2	4.1	18985.6	26335.8	39278	23	35	688	45	1843	167	69
313th Wing	20727	6262	6029	5120	135	224	5479	5476	5609	87.0	37.4	93.1	4.7	14935.1	18451.9	35288	28	52	540	46	1709	131	80
314th Wing	14799	5339	5184	4627		155	4782	4782	4853	90.5	46.9	93.6	4.6	7669.7	19041.9	27540	30	36	610	52	1747	115	92
315th Wing	1522	723	705	642		14	656	665	668	92.6	5.6	94.7	3.8	5248.9		5383	1	2	26	3	8		
Total*	55841	22564	21940	19248	324	610	20182	20175	20595	89.5	37.8	93.9	4.3	43456.7	80908.7	129518	95	153	2245	174	5773	445	262
* Includes Special Bombing Missions																							

* Includes Special Bombing Missions.

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TWENTIETH AIR FORCE

SUMMARY OF BOMBING & MINING MISSIONS

24 NOV 1944 - 30 JUN 1945

DATE	MISSION NUMBER	TARGET	WINGS PARTICIPATING	B-29 AIRCRAFT IN WINGS	TOTAL SCHEDULED	A/C AIRBORNE	AIRCRAFT BOMBING	A/C OVER TARGET	A/C EFFECTIVE	% BOMBING TO AIRCRAFT	% NON EFFECT	MEAN BOMBING ALTITUDE	TONS ON PRIMARY	TONS ON SECONDARY	TONS ON TERTIARY	HOURS OVER TARGET	A/C LOST	A/C DAMAGED	ENEMY A/C	RESULTS	
Nov 24	7	Nakajima A/C Factory, Musashino Plant, Tokyo	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Bombing results poor. 16,058 sq ft destroyed or damaged. Flight conditions prevented bombing primary target. Bombed by radar - damage negligible.	
Nov 27	8	Nakajima A/C Factory, Musashino Plant, Tokyo	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116		
Nov 29	9	Industrial Area at Tokyo, Tokyo	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116		
Dec 3	10	Nakajima A/C Factory, Musashino Plant, Tokyo	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Unsatifactory on primary. Results obscured due to cloud coverage.	
Dec 10	11	Two Jima Airfields	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Good - 17.5% of roof area destroyed.	
Dec 13	12	Mitsubishi A/C Engine Plant, Nagoya	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Good - 17.5% of roof area destroyed. 2,500,000 sq ft of surrounding area destroyed.	
Dec 15	13	Mitsubishi A/C Plant, Nagoya	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Near bombing strike, photos unobtainable.	
Dec 22	14	Mitsubishi Engine Plant, Nagoya	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Poor results.	
Dec 24	15	Two Jima Airfields	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Poor. 3% of bombs released within 1000' of AP.	
Dec 27	16	Nakajima A/C Factory, Musashino Plant	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116		
Jan 3	17	Docks and Urban Area, Nagoya	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	.09 sq mi destroyed or damaged.	
Jan 9	18	Nakajima A/C Factory, Musashino Plant	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Poor - 1% within 1000' of AP. Bad weather broke up formation.	
Jan 11	19	Mitsubishi A/C Plant, Nagoya	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Fair - 2.7% of roof area destroyed.	
Jan 13	20	Kawasaki A/C Plant, Atsugi	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Good - Major damage to 35% of roof area. 23% of releases in 1000' of AP.	
Jan 15	21	Mitsubishi Engine Plant, Nagoya	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Unsatifactory due to flight conditions.	
Jan 27	22	Nakajima A/C Factory, Musashino Plant	73	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	Bombing results obscured due to weather.	
Feb 3	23	Kobe Urban Area	73-313	285	112	112	60	30	99	98	101	64	159	251	251	251	1	1	35	0	.09 sq mi destroyed or damaged.
Feb 10	24	Nakajima A/C Plant, Ota	73-313	290	126	126	60	30	99	98	101	64	159	251	251	251	1	1	35	0	31.5% of roof area destroyed or damaged.
Feb 13	25	Mitsubishi A/C Plant, Nagoya	73-313	286	119	119	60	30	99	98	101	64	159	251	251	251	1	1	35	0	5.5% of total roof area destroyed.
Feb 15	26	Nakajima A/C Factory, Musashino Plant	73-313	289	121	121	60	30	99	98	101	64	159	251	251	251	1	1	35	0	500,000 sq ft of warehouse, secondary target area, destroyed or damaged.
Feb 25	27	Kobe Urban Area	73-313	354	221	221	60	30	99	98	101	64	159	251	251	251	1	1	35	0	1.0 sq mi destroyed or damaged.
Mar 3	28	Nakajima A/C Factory, Musashino Plant	73-313	312	291	291	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Bombing results unknown.
Mar 4	29	Two Jima Airfields	73-313	385	344	344	60	30	99	98	101	64	159	251	251	251	1	1	35	0	15.6 sq mi destroyed including numerous AAF numbered targets.
Mar 5	30	Nakajima A/C Plant, Ota	73-313	375	325	325	60	30	99	98	101	64	159	251	251	251	1	1	35	0	2.1 sq mi destroyed including AAF numbered targets.
Mar 6	31	Kobe Urban Area	73-313	375	325	325	60	30	99	98	101	64	159	251	251	251	1	1	35	0	5.1 sq mi destroyed including AAF numbered targets.
Mar 7	32	Kobe Urban Area	73-313	375	325	325	60	30	99	98	101	64	159	251	251	251	1	1	35	0	6.5 sq mi destroyed including AAF numbered targets.
Mar 8	33	Kobe Urban Area	73-313	375	325	325	60	30	99	98	101	64	159	251	251	251	1	1	35	0	2.0 sq mi destroyed including AAF numbered targets.
Mar 9	34	Kobe Urban Area	73-313	375	325	325	60	30	99	98	101	64	159	251	251	251	1	1	35	0	4.9% of roof area destroyed. 228 sq mi of urban Nagoya destroyed including several factories.
Mar 10	35	Mitsubishi Engine Plant, Nagoya	73-313	386	352	352	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Tachikawa A/F - 606,500 sq ft destroyed or damaged, 7% of bombs released fall in 1000' of AP; Ome A/C Factory - 257,000 sq ft and 15%; Ota A/F - 122,175 sq ft and 15%, also 257,000 sq ft of surrounding area.
Mar 11	36	Toshinari A/C Plant & Ome A/C Factory	73-313	251	167	167	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 12	37	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 13	38	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 14	39	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 15	40	Toshinari A/C Plant & Ome A/C Factory	73-313	251	167	167	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 16	41	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 17	42	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 18	43	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 19	44	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 20	45	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 21	46	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 22	47	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 23	48	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 24	49	Shimonoseki Straits (Mining)	313	150	107	107	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Mar 25	50	Toshinari A/C Plant & Ome A/C Factory	73-313	251	167	167	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance to Straits closed for two weeks. Poor - no damage visible.
Apr 1	51	Nakajima A/C Factory, Musashino Plant	73	179	131	131	60	30	99	98	101	64	159	251	251	251	1	1	35	0	No visible damage from photo interpretation.
Apr 2	52	Kure Harbor (Mining)	313	160	12	12	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate serious interference to shipping for several days.
Apr 3	53	Hiroshima Area (Mining)	313	160	12	12	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - relatively strong blockade of Kure-Hiroshima area.
Apr 4	54	Hiroshima Area (Mining)	313	160	12	12	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate complete blockade of southern entrance to Kure harbor.
Apr 5	55	Shizuoka A/C Engine Plant, Shizuoka	313	112	48	48	60	30	99	98	101	64	159	251	251	251	1	1	35	0	8% of roof area now destroyed or damaged.
Apr 6	56	Nakajima A/C Plant, Yokohama	313	160	80	80	60	30	99	98	101	64	159	251	251	251	1	1	35	0	9.5% of roof area destroyed or damaged.
Apr 7	57	Tachikawa A/C Plant, Tachikawa	313	172	115	115	60	30	99	98	101	64	159	251	251	251	1	1	35	0	11.4% of roof area destroyed or damaged.
Apr 8	58	Nakajima A/C Factory, Musashino Plant	73	178	120	120	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Assessment made after mission 63. 97 fighters escorted B-29's on missions 58 and 59.
Apr 9	59	Mitsubishi Engine Plant, Nagoya	313-314	292	203	203	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - 94% of roof area destroyed or damaged. Target virtually destroyed. (This is cumulative information).
Apr 10	60-61	Kyushu Airfield Installations	313	359	54	54	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Kagoshima - .045 sq mi destroyed or damaged. Other damage not assessed.
Apr 11	62	Shimonoseki Straits (Mining)	313	177	21	21	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate western entrance destroyed additional 5 to 7 days.
Apr 12	63	Nakajima A/C Factory, Musashino Plant	73	181	125	125	60	30	99	98	101	64	159	251	251	251	1	1	35	0	.49% of roof area damaged by missions 58 and 59. 63% of target, 53 fighters served as escorts.
Apr 13	64	Hodogaya Chemical Industry, Koriyama	313	180	88	88	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - 59% of roof area destroyed or damaged. Also destroyed or damaged 65% of roof area of nearby Nakajima plant.
Apr 14	65	Koriyama Chemical Plant, Koriyama	313	180	88	88	60	30	99	98	101	64	159	251	251	251	1	1	35	0	73% of roof area destroyed or damaged including all main buildings.
Apr 15	66	Shimonoseki Straits Area (Mining)	313	180	88	88	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - estimate eastern entrance blocked additional two or three days and passage would not be safe for several weeks.
Apr 16	67	Tokyo Arsenal Area	73-313-314	502	369	369	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Excellent - 11.4% sq mi destroyed.
Apr 17	68	Kawasaki Urban Area	313-314	366	220	220	60	30	99	98	101	64	159	251	251	251	1	1	35	0	3.4 sq mi destroyed.
Apr 18	69	Tokyo Urban Area	73	178	125	125	60	30	99	98	101	64	159	251	251	251	1	1	35	0	6.0 sq mi destroyed and 1.8 sq mi of Yokohama destroyed.
Apr 19	70-75	Kyushu Airfield Installations	73-313-314	499	337	337	60	30	99	98	101	64	159	251	251	251	1	1	35	0	Accuracy varied from 3% of released falling within 1000' of AP to 14%. Bombing results good. Results of fragmentation bombs difficult to assess. 6 airfields hit.
Apr 20	76-81	Kyushu Airfield Installations	73-313-314	505	338	338															

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TWENTIETH AIR FORCE

SUMMARY OF BOMBING & MINING MISSIONS

JULY 1945

DATE	MISSION NO.	TARGET	WINGS PARTICIPATING	B-29 AIRCRAFT IN WINGS	TOTAL SCHEDULED	A/C AIRBORNE	AIRCRAFT BOMBING				A/C OVER TARGET	A/C EFFECTIVE	% BOMBING TO AIRBORNE			% NON-EFFECT. MECH.	MEAN BOMBING ALTITUDE	TONS ON PRIMARY		TOTAL TONS DROPPED	HOURS OVER TARGET	A/C LOST		A/C DAMAGED	CREWS LOST	ENEMY A/C			RESULTS	
							PRIM	SEC	OTHER	TOTAL			PRIM VISUAL	PRIM	ALL			HIGH EXPL.	INCENDIARY			E/A	OTHER			ATTACKS	DESTR.	PROB. DESTR.		
Jul 1	(N) 240	Kure Urban Area	58	190	160	166	152	-	2	154	154	160	95	20	96	3.6	11,000		1081.7	1096.0	2903'	-	-	1	-	1	-	-	1.5 sq mi destroyed or damaged.	
1	(N) 241	Kumamoto Urban Area	73	190	167	164	154	-	1	155	155	157	95	5	96	3.7	11,000		1113.2	1121.0	1940'	-	1	1	-	-	-	-	.8 sq mi or 16% destroyed or damaged.	
1	(N) 242	Ube Urban Area	313	185	112	112	100	-	-	100	100	100	89	63	89	7.1	11,000		714.6	714.6	1942'	-	-	2	-	2	-	-	.42 sq mi or 23% destroyed or damaged.	
1	(N) 243	Shimonoseki Urban Area	314	187	150	143	126	-	5	131	133	134	90	12	94	4.2	13,800		833.0	833.0	2000'	-	1	-	-	-	-	-	.51 sq mi or 36% destroyed or damaged.	
1	(N) 244	Shimonoseki Straits, Nanso Bay & Nan Bay (Mining)	313	185	30	29	24	-	-	24	24	25	86	-	86	13.7	8,800	161.0		161.0	1940'	-	-	-	-	-	-	-		
2	(N) 245	Maruzen Oil Refinery, Minoshima	315	112	41	40	39	-	1	40	40	40	8	100	-	9.1	15,500	296.7		304.7	2059'	-	-	1	-	-	-	-	54,225 sq ft dest or dam or 10.4% of roof area.	
3	(N) 246	Shimonoseki Straits, Funakawa, Maizuru, Saeki Bays (Mining)	313	183	33	33	26	-	2	48	48	30	84	-	90	9.1	8,000	173.0		187.0	2034'	-	-	3	-	8	-	-		
3	(N) 247	Takamatsu Urban Area	58	187	134	130	116	-	3	119	118	121	91	67	93	5.4	10,500	24.3	808.8	855.4	1946'	-	2	1	1	-	-	-	1.4 sq mi or 78% destroyed or damaged.	
3	(N) 248	Koshi Urban Area	73	191	134	131	125	-	-	125	125	127	97	12	97	2.3	11,000		1060.8	1060.8	1900'	-	-	1	-	1	-	-	.92 sq mi or 48% destroyed or damaged.	
3	(N) 249	Himeji Urban Area	313	183	107	107	106	-	-	106	106	106	99	88	99	-	11,000		767.1	767.1	1939'	-	-	3	-	8	-	-	1.22 sq mi or 63.3% destroyed or damaged.	
3	(N) 250	Tokushima Urban Area	314	188	141	137	129	-	2	131	131	131	94	41	96	4.4	13,500		1050.8	1063.4	1955'	-	-	-	-	-	-	-	1.7 sq mi or 74% destroyed or damaged.	
6	(N) 251	Chiba Urban Area	58	187	137	134	124	-	1	125	125	130	96	4	97	2.2	10,500	31.8	857.7	895.8	2026'	-	-	-	-	1	-	-	.86 sq mi or 43.4% destroyed or damaged.	
6	(N) 252	Akashi Urban Area	73	193	134	133	123	-	1	124	124	126	94	5	95	3.8	7,500		975.0	983.0	1912'	-	-	-	-	-	-	-	.71 sq mi or 41% destroyed or damaged.	
6	(N) 253	Shimizu Urban Area	313	186	136	137	133	-	-	133	133	134	98	18	98	2.2	7,500		1029.6	1029.6	1937'	-	1	3	-	4	-	-	.71 sq mi or 50% destroyed or damaged.	
6	(N) 254	Kofu Urban Area	314	191	138	139	131	-	-	131	131	132	95	14	95	3.6	14,000		970.4	971.4	1948'	-	-	-	-	-	-	-	1.3 sq mi or 65% destroyed or damaged.	
6	(N) 255	Maruzen Oil Refinery	315	116	60	60	59	-	1	60	60	60	98	2	100	-	11,000	441.5		449.5	2059'	-	-	-	-	-	-	-	409,975 sq ft or 79.1% of roof area dest or dam	
9	(N) 256	Shimonoseki Straits, West entrance, Niigata, Fushiki (Mining)	313	188	31	32	29	-	1	30	30	31	94	-	97	-	8,000	186.0		193.0	2026'	1	-	8	1	4	-	-		
9	(N) 257	Sendai Urban Area	58	188	135	134	123	-	1	124	124	127	94	73	95	4.5	10,500		911.3	917.6	2002'	-	-	1	6	-	1	-	-	1.26 sq mi or 27.8% destroyed or damaged.
9	(N) 258	Sakai Urban Area	73	190	135	127	115	-	3	118	119	121	93	4	95	2.4	10,500		778.9	798.5	1933'	-	-	-	8	-	5	-	-	.7 sq mi or 42% destroyed or damaged.
9	(N) 259	Wakayama Urban Area	313	188	106	110	108	-	-	108	108	109	99	89	99	-	11,000		800.3	800.3	1950'	-	-	1	-	-	-	-	2.1 sq mi or 52.5% destroyed or damaged.	
9	(N) 260	Gifu Urban Area	314	191	137	137	129	-	1	130	130	132	95	73	96	3.6	16,000		898.8	907.5	1946'	-	1	1	-	3	-	-	1.93 sq mi or 74% of built up area.	
9	(N) 261	Utsube River Oil Refinery, Yokkaichi	315	116	65	64	61	-	1	62	62	62	95	16	97	3.1	16,000	468.7		476.7	2058'	-	-	-	4	-	2	-	-	292,610 sq ft or 15.4% of roof area dest or dam.
11	(N) 262	Shimonoseki Straits West entrance, Rashin, Fusan & Maizuru (Mining)	313	188	32	32	25	-	2	27	27	29	83	-	90	3.1	8,000	150.0		163.0	2015'	-	-	-	-	-	-	-		
12	(N) 263	Utsunomiya Urban Area	58	191	135	133	115	-	5	120	120	123	88	5	92	6.2	14,000		802.9	846.3	2020'	-	1	-	-	-	-	-	-	.01 sq mi or .8% destroyed or damaged.
12	(N) 264	Ishinomiya Urban Area	73	192	134	133	123	-	2	125	126	128	95	8	96	3.1	9,000		772.0	784.6	1952'	-	-	-	-	-	-	-	.77 sq mi or 77% destroyed or damaged.	
12	(N) 265	Tsuruga Urban Area	313	189	101	100	92	-	2	94	94	96	94	1	96	4.1	13,000		679.1	695.1	2007'	-	-	-	-	-	-	-	.14 sq mi or 16% destroyed or damaged.	
12	(N) 266	Utsunomiya Urban Area	314	190	133	132	123	-	1	124	125	126	94	-	95	3.8	13,500		872.5	881.5	2013'	-	-	-	-	-	-	-	.14 sq mi or 16% destroyed or damaged.	
12	(N) 267	Kawasaki Petroleum Center	315	127	71	62	53	-	1	54	54	56	88	5	90	6.7	15,500	452.0		460.0	1913'	-	2	1	2	2	-	-	-	204,800 sq ft or 27.6% of roof area dest or dam.
13	(N) 268	Shimonoseki Straits, West entrance, Seishin, Masan, Reisui & Fukuoka (Mining)	313	188	34	34	30	1	-	31	31	34	97	-	100	-	7,500	199.0		200.0	3015'	-	-	1	-	1	-	-		
15	(N) 269	Niigata, Maetsu, Genzan, Konan, Rashin, Fusan	313	189	30	30	26	1	-	27	27	29	93	-	96	3.3	7,500	172.0		176.0	4005'	-	-	-	-	-	-	-		
15	(N) 270	Nippon Oil Co, Kadamatsu	315	131	71	71	59	-	3	62	64	64	86	10	90	5.6	11,000	493.8		522.5	1919'	-	-	-	-	-	-	-		
16	(N) 271	Namazu Urban Area	58	190	134	130	119	-	-	119	119	121	93	5	93	6.9	11,000		1035.8	1039.0	1939'	-	-	-	-	-	-	-	1.4 sq mi or 89.5% destroyed or damaged.	
16	(N) 272	Oita Urban Area	73	188	134	134	124	-	-	124	127	129	96	3	96	3.7	10,500		790.4	790.4	1920'	-	-	-	-	-	-	-	.555 sq mi or 25.2% destroyed or damaged.	
16	(N) 273	Kure Urban Area	313	188	101	101	94	-	2	96	96	98	95	2	97	2.0	10,500		693.3	709.3	1915'	-	-	-	-	1	-	-	.63 sq mi or 84% destroyed or damaged.	
16	(N) 274	Hiratsuka Urban Area	314	192	138	138	129	-	1	130	134	136	97	4	98	1.4	13,000	1162.5	1172.5	1940'	-	-	-	-	-	2	-	-	1.04 sq mi or 41.9% destroyed or damaged.	
17	(K) 275	Shimonoseki Straits, Seishin, Fushiki & Nanso (Mining)	313	188	33	33	27	1	-	29	28	30	90	-	93	6.1	8,000	178.0		184.0	1959'	-	-	-	-	-	-	-		
19	(N) 276	Kobe, Osaka, Niigata, Maizuru, Genzan, Konan (Mining)	313	190	33	33	27	2	-	29	29	30	87	-	94	6.1	7,500	184.0		198.0	2044'	-	-	1	3	1	-	-	-	1.61 sq mi or 84.8% destroyed or damaged.
19	(N) 277	Fukui Urban Area	58	189	135	133	127	-	1	128	128	131	98	88	98	8	13,000		953.4	961.4	1921'	-	-	1	-	-	-	-	.88 sq mi or 64.5% destroyed or damaged.	
19	(N) 278	Hiroshima Urban Area	73	187	133	133	126	-	1	127	128	130	97	5	98	2.3	13,000	31.2	963.2	970.4	1933'	-	2	-	2	-	-	-	-	.379 sq mi or 33.8% destroyed or damaged.
19	(N) 279	Choshi Urban Area	313	190	101	100	91	-	-	91	91	94	94	1	94	5.0	11,000		673.6	704.8	1921'	-	-	-	-	-	-	-	.65 sq mi or 68% destroyed or damaged.	
19	(N) 280	Okazaki Urban Area	314	185	134	132	126	-	1	127	127	129	97	49	98	1.5	14,500		850.0	856.										

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MONTHLY SUMMARY OF MISSIONS BY TYPE

(BOMBING AND MINING MISSIONS)

MONTH	TYPE OF MISSION	NUMBER OF MISSIONS	NUMBER AIRBORNE	% AIRBORNE OF TOTAL	NUMBER BOMBING PRIMARY	A/C LOST	% OF AIRBORNE A/C LOST	MEAN BOMBING ALTITUDE	TONS DROPPED	AV. NO. OF ENEMY ATTACKS PER B-29 BOMBING
MAR. *	NIGHT PRIORITY TARGET	2	265	11%	235	5	1.9%	7500	1583	.01
	NIGHT URBAN AREA	5	1595	67%	1434	22	1.4%	7000	9579	.18
	MINING (NIGHT)	2	200	8%	177	5	2.5%	6500	1080	.08
	TACTICAL SUPPORT (DAY)	2	317	14%	288	1	.3%	16000	970	.57
	TOTAL	11	2377	100%	2134	33	1.4%		13212	.21
APRIL	DAYLIGHT PRIORITY TARGET	6	768	23%	592	13	1.7%	14000	2981	2.21
	NIGHT PRIORITY TARGET	4	366	11%	267	8	2.2%	7500	2510	.17
	DAYLIGHT URBAN AREA	3	117	3%	104	1	.9%	19000	526	.10
	NIGHT URBAN AREA	3	692	21%	630	21	3.0%	9000	4069	.28
	MINING (NIGHT)	5	57	2%	45			6000	256	
	TACTICAL SUPPORT (DAY)	61	1343	40%	1130	13	1.0%	16500	5878	.78
	TOTAL	82	3343	100%	2768	56	1.7%		16220	.87
MAY	DAYLIGHT PRIORITY TARGET	1	105	2%	92	1	1.0%	18000	465	2.64
	DAYLIGHT URBAN AREA	3	1364	31%	1198	24	1.8%	19000	6812	.32
	NIGHT URBAN AREA	3	1586	36%	1441	50	3.2%	12500	10685	.14
	MINING (NIGHT)	10	421	10%	364	5	1.2%	6500	2406	.04
	TACTICAL SUPPORT (DAY)	37	940	21%	784	12	1.3%	18000	4123	.55
	TOTAL	54	4416	100%	3879	92	2.1%		24491	.33
JUNE	DAYLIGHT PRIORITY TARGET	24	1412	26%	1181	12	.8%	19500	7772	.45
	NIGHT PRIORITY TARGET	2	71	1%	65			15500	438	
	DAYLIGHT URBAN AREA	4	2026	38%	1800	27	1.3%	20000	12095	.55
	NIGHT URBAN AREA	11	1522	28%	1419	4	.3%	9500	9974	.02
	MINING (NIGHT)	12	367	7%	326	1	.3%	7500	2081	.02
	TOTAL	53	5398	100%	4791	44	.8%		32360	.32
JULY	DAYLIGHT PRIORITY TARGET	5	397	6%	337	1	.2%	19500	2289	
	NIGHT PRIORITY TARGET	9	672	11%	593	3	.5%	14000	5130	.01
	DAYLIGHT URBAN AREA	2	235	4%	235			19250	1416	
	NIGHT URBAN AREA	37	4524	73%	4202	12	.3%	12000	31684	.01
	MINING (NIGHT)	12	384	6%	314	6	1.7%	8250	2185	.04
	TACTICAL SUPPORT (DAY)									
	TOTAL	65	6212	100%	5681	22	.4%		42704	.01
MAR.-JUL	DAYLIGHT PRIORITY TARGET	36	2682	12%	2202	27	1.0%	17750	13507	.95
	NIGHT PRIORITY TARGET	17	1374	6%	1160	16	1.2%	11000	9661	.05
	DAYLIGHT URBAN AREA	12	3742	17%	3337	52	1.4%	19250	20840	.41
	NIGHT URBAN AREA	39	9919	46%	9126	109	1.1%	10000	65991	.08
	MINING (NIGHT)	41	1429	7%	1221	17	1.2%	7000	8008	.04
	TACTICAL SUPPORT (DAY)	100	2600	12%	2202	26	1.0%	16750	10971	.67
	TOTAL	265	21746	100%	19248	247	1.1%		128987	.30

* Excludes mission # 39 on 4 March.

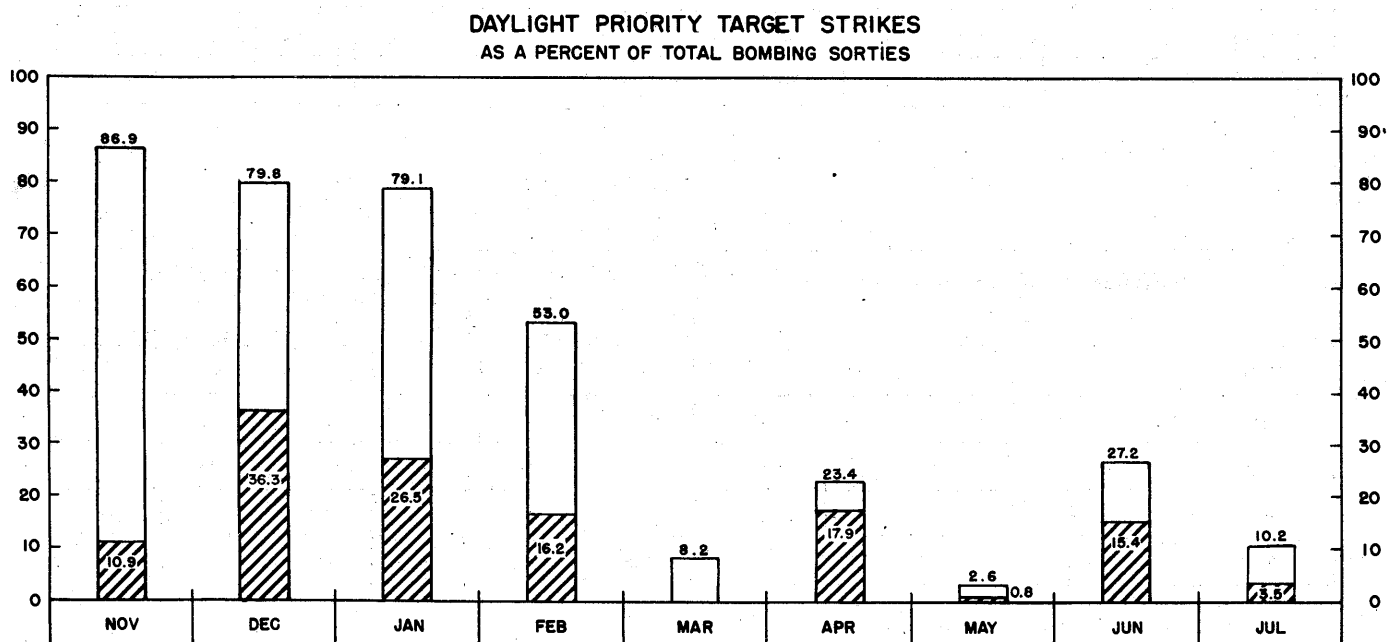
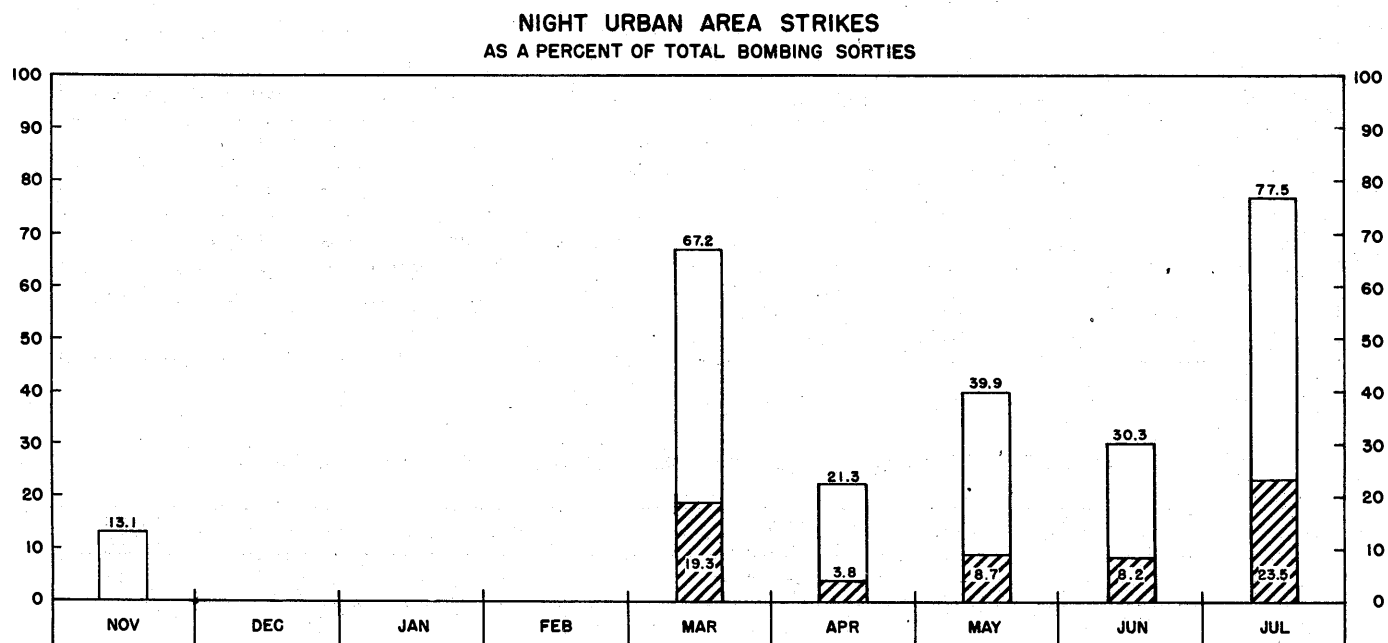
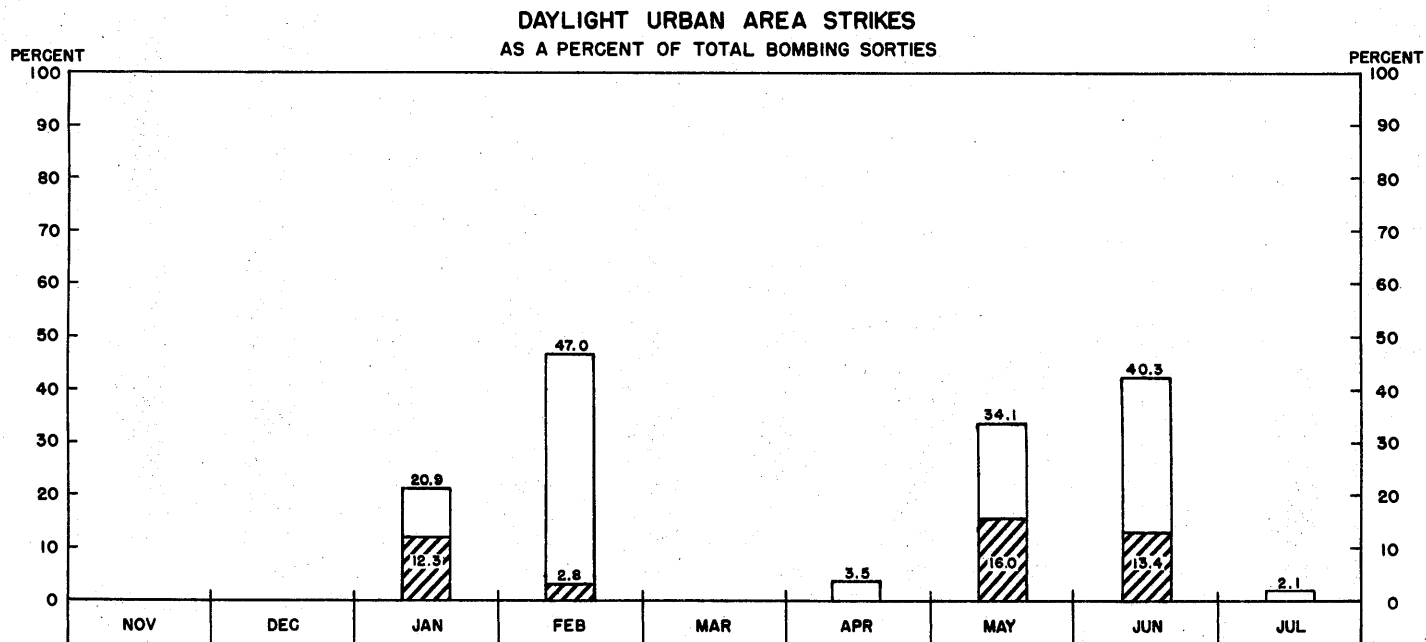
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MONTHLY SUMMARY OF MISSIONS BY TYPE

(CONTINUED)

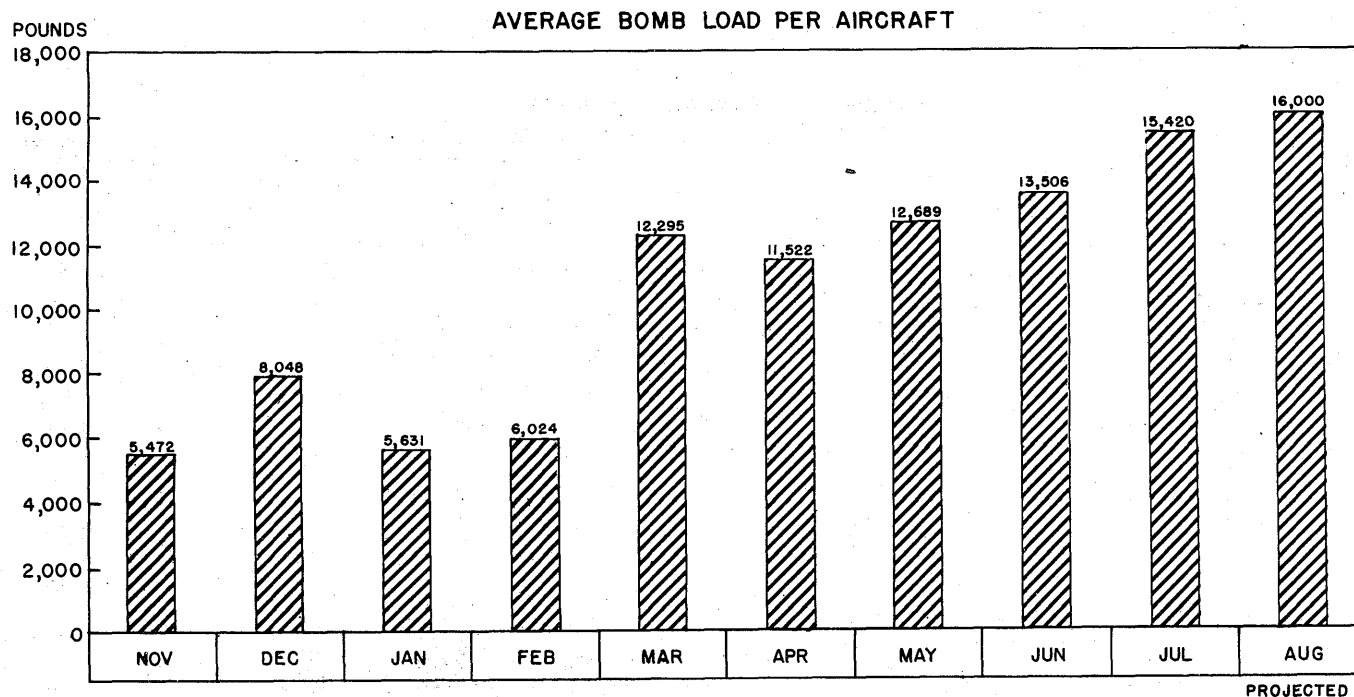
PERCENT BOMBING PRIMARY VISUALLY



UNCLASSIFIED

UNCLASSIFIED

BOMB WEIGHT AND FUEL DATA



AVERAGE BOMB LOAD BY WING
(POUNDS)

MONTH	58TH WING	73RD WING	313TH WING	314TH WING	MONTH	58TH WING	73RD WING	313TH WING	314TH WING	315TH WING
NOV		5,472.5			APR		12,880.1	12,088.0	9,074.0	
DEC		8,048.1			MAY	12,651.4	13,673.0	13,179.0	11,464.7	
JAN		5,630.7			JUN	13,368.0	13,903.0	13,761.0	12,949.1	14,639.0
FEB		6,729.8	5,239.5	3,944.0	JUL	15,371.0	14,810.0	15,546.0	14,876.0	17,823.0
MAR		13,057.0	12,906.0	8,665.0	AUG					

AVERAGE FUEL RETURNED BY AIRCRAFT COMPLETING THE MISSION
(GALLONS)

MONTH	58TH WING	73RD WING	313TH WING	314TH WING	COMMAND AVERAGE	MONTH	58TH WING	73RD WING	313TH WING	314TH WING	315TH WING	COMMAND AVERAGE
NOV		1,089			1,089	APR		782	955	1,004		883
DEC		882			882	MAY	721	699	793	782		750
JAN		987			987	JUN	750	710	748	733	1252	742
FEB		831	964	731	873	JUL	733	783	796	710	1121	798
MAR		914	996	1,032	959	AUG						

AVERAGE TIME OF MISSIONS (HOURS)				AVERAGE GALLONS CONSUMED PER HOUR (GALLONS OF AVIATION GASOLINE)					
				COMBAT	TOTAL		COMBAT	TOTAL	
NOV	13:31	APR	14:41	NOV	507	551	APR	420	465
DEC	14:05	MAY	14:44	DEC	512	560	MAY	414	459
JAN	14:15	JUN	14:27	JAN	471	531	JUN	418	457
FEB	14:49	JUL	14:09	FEB	441	519	JUL	410	456
MAR	14:54	AUG		MAR	402	428	AUG		

NOTE: Figures of special bomb groups not included on this page.

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MONTHLY SUMMARY OF MISCELLANEOUS COMBAT SORTIES BY B-29 AND F13 AIRCRAFT

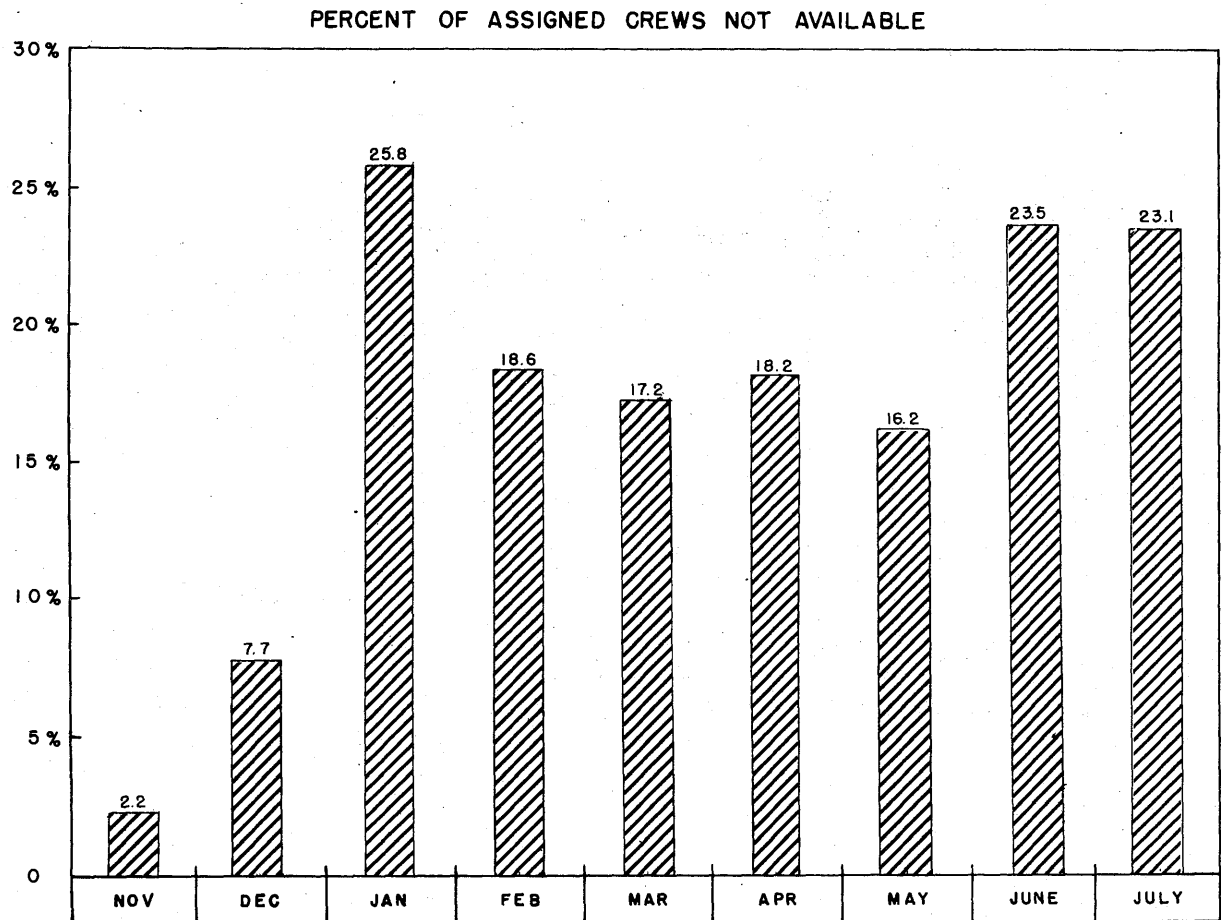
MONTH	WEATHER STRIKE* & RECONNAISSANCE			PHOTO RECONNAISSANCE			RADARSCOPE**			SEA SEARCH			FIGHTER ESCORT			SHAKE DOWN			TOTAL		
	SORTIES	EFFECTIVE SORTIES	AIRCRAFT LOST	SORTIES	EFFECTIVE SORTIES	AIRCRAFT LOST	SORTIES	EFFECTIVE SORTIES	AIRCRAFT LOST	SORTIES	EFFECTIVE SORTIES	AIRCRAFT LOST	SORTIES	EFFECTIVE SORTIES	AIRCRAFT LOST	SORTIES	EFFECTIVE SORTIES	AIRCRAFT LOST	SORTIES	EFFECTIVE SORTIES	AIRCRAFT LOST
OCT																36	22	0	36	22	0
NOV				28	17	1	1	1	0							82	55	1	111	73	2
DEC	69	57	2	27	16	1													96	73	3
JAN	74	69	0	35	20	0										94	78	0	209	167	0
FEB	89	75	2	42	30	2				25	20	1				127	124	0	277	249	5
MAR	89	84	1	48	35	8	52	48	0	6	6	0							195	173	1
APR	90	83	1	68	55	0	10	10	0	14	14	0	33	33	0				215	195	1
MAY	93	91	0	72	45	1	11	10	1	22	21	0	39	29	0				237	196	2
JUN	87	85	0	60	49	1	55	48	0	28	28	0	61	54	0				291	264	1
JUL	106	103		63	51		99	82		15	15		110	102					387	353	
TO DATE	691	647	6	443	318	6	222	199	1	110	104	1	243	218		339	279	1	2048	1765	15

* Figures for June & July include Weather Recon Sorties & Leaflet Sorties
** Figures for July include Radar-Counter Measure Sorties

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REASONS FOR UNAVAILABILITY OF COMBAT CREWS (AVERAGE FOR ALL CREW POSITIONS)



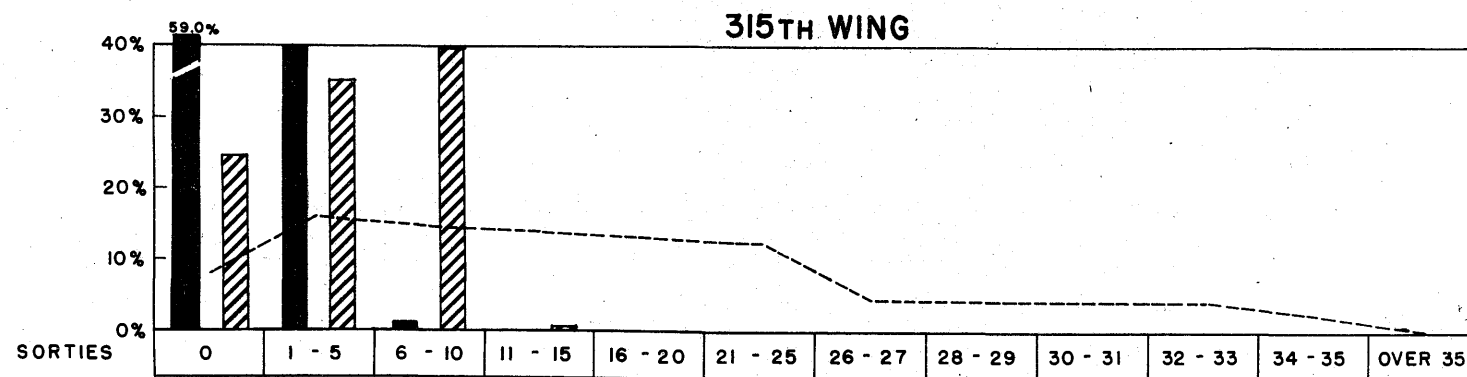
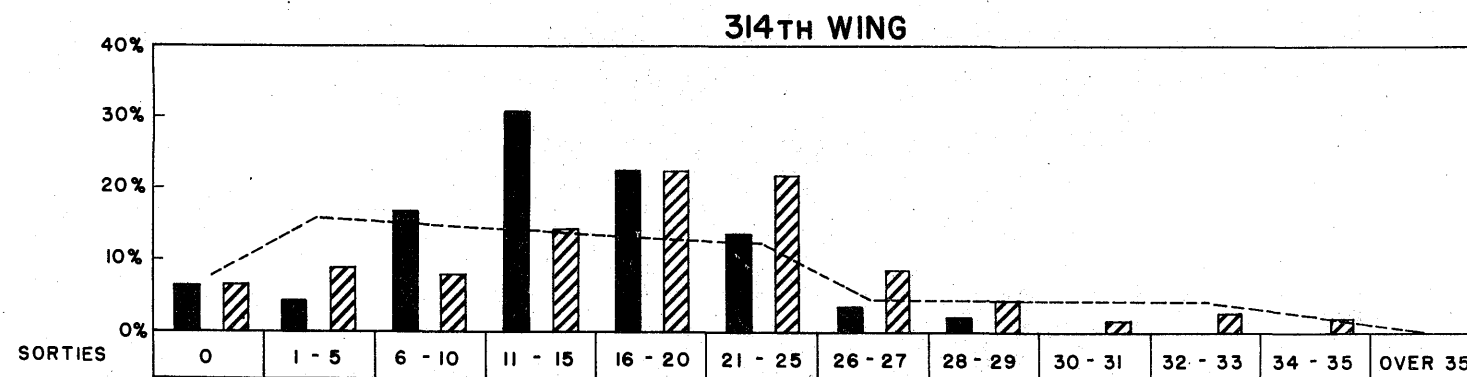
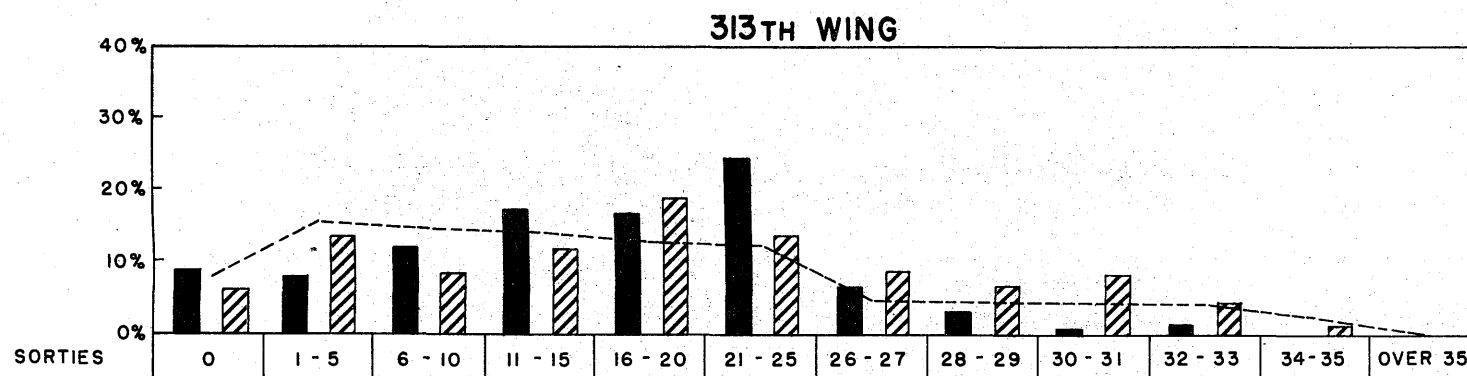
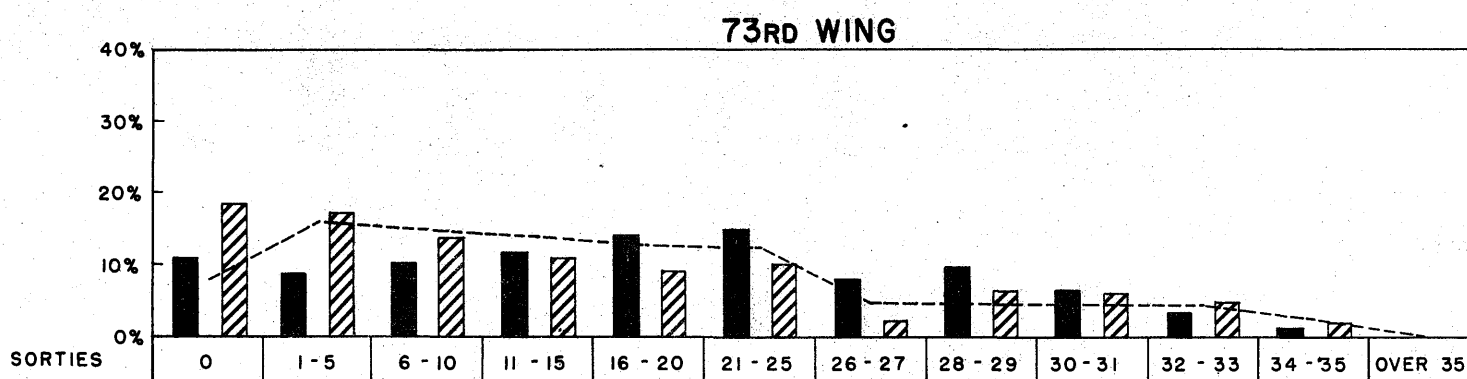
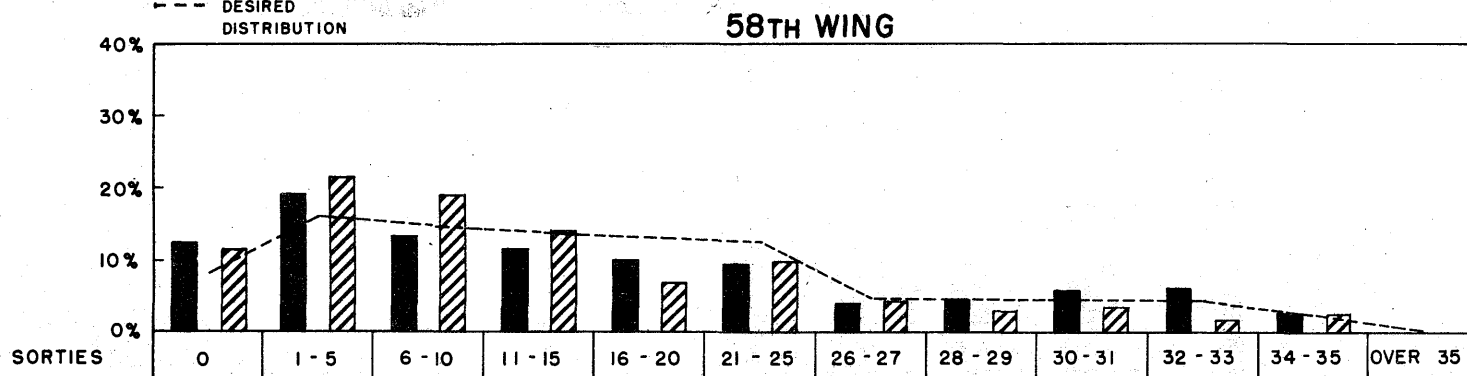
	58 TH WING		73RD WING		313TH WING		314TH WING		315 TH WING		AVERAGE	
	JUNE	JULY	JUNE	JULY	JUNE	JULY	JUNE	JULY	JUNE	JULY	JUNE	JULY
ASSIGNED	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
AVAILABLE	85.1%	80.7%	75.8%	71.8%	71.8%	74.6%	85.6%	80.7%	18.1%	76.7%	76.5%	76.9%
NON-AVAILABLE	14.9%	19.3%	24.2%	28.2%	28.2%	25.4%	14.4%	19.3%	81.9%	23.3%	23.5%	23.1%
COMBAT INJURIES	.3%	.2%	.5%	.4%	.7%	.1%	.4%	.2%			.4%	.2%
SICKNESS	1.7%	1.6%	1.6%	1.5%	2.6%	1.5%	2.6%	2.5%		.3%	2.2%	1.6%
PASS, LEAVE, FURLOUGH	.08%	.1%	.01%	.3%	1.0%	.3%					.3%	.1%
AT REST CAMPS	.6%	1.1%	4.7%	4.4%	4.2%	2.5%	1.8%	.9%			2.7%	2.1%
GROUND FOR REST	.6%		.03%	.1%	6.8%	4.8%	.4%	.6%			1.9%	1.3%
DS (OTHER THAN TO LEAD CREW SCHOOL IN U.S.)	.8%	.6%	2.0%	1.0%	1.6%	1.7%	1.0%	1.7%		.1%	1.6%	1.2%
DS TO LEAD CREW SCHOOL IN U.S.	4.3%	6.8%	6.4%	6.6%	5.5%	6.3%	6.2%	7.5%			5.3%	6.1%
NOT FULLY TRAINED	4.3%	8.7%	7.8%	13.4%	5.8%	8.2%	1.6%	5.5%	81.9%	22.9%	9.1%	10.4%
AWAITING RECLASSIFICATION	.03%		.09%		.01%		.4%	.3%			.1%	0.0%
OTHER	.2%	.2%	.9%	.5%			.03%	.1%			.2%	.1%

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UNCLASSIFIED CREW CREDIT SORTIES

PERCENT OF B-29 AIRPLANE COMMANDERS AND PILOTS IN EACH CLASS



LEGEND
 ■ 1 JULY
 ▨ 1 AUGUST
 --- DESIRED DISTRIBUTION



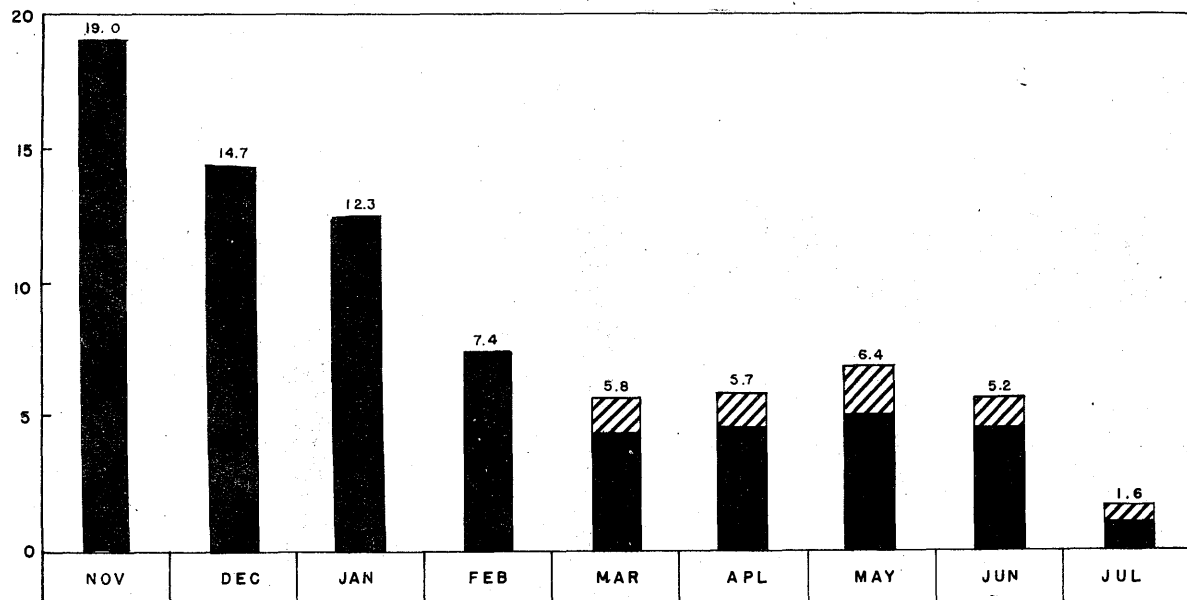
UNCLASSIFIED

UNCLASSIFIED MAINTENANCE FACTORS

LEGEND

-  MAINTENANCE PERSONNEL
-  OTHER MECHANICAL

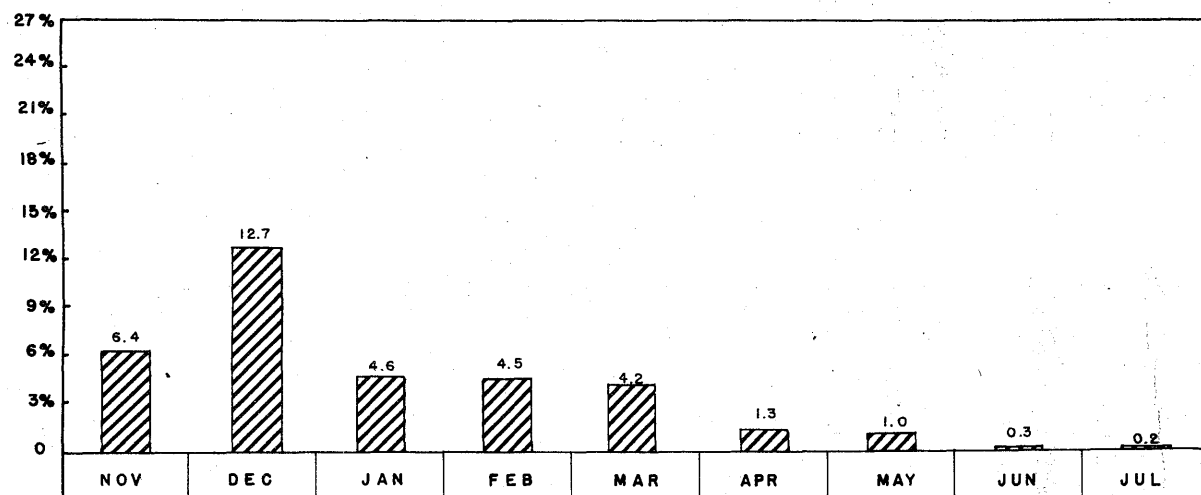
PERCENT OF AIRBORNE A/C NON-EFFECTIVE FOR MECHANICAL AND MAINTENANCE REASONS



CAUSES FOR GROUNDING B-29 AIRCRAFT AS A PERCENT OF A/C ASSIGNED

	ENGINE CHANGE & MAINTENANCE	PARTS	BATTLE DAMAGE	INSPECTION	OTHER MAINTENANCE	TOTAL GROUNDED
NOV	6.3%	6.4%	2.6%	8.0%	12.0%	35.3%
DEC	17.6%	12.7%	7.1%	9.0%	14.8%	61.2%
JAN	16.8%	4.6%	8.0%	16.7%	16.1%	62.2%
FEB	12.2%	4.5%	7.7%	17.9%	15.1%	57.4%
MAR	32.1%	4.2%	3.0%	19.8%	13.7%	52.8%
APR	15.3%	1.3%	7.0%	14.2%	10.2%	48.0%
MAY	13.1%	1.0%	4.9%	11.7%	6.4%	37.1%
JUN	11.3%	.3%	3.7%	14.6%	5.3%	35.2%
JUL	11.5%	.2%	1.0%	18.3%	5.2%	36.2%
MAY-JUL	11.9%	.5%	3.1%	15.1%	5.6%	36.2%

PERCENT OF ASSIGNED B-29 AIRCRAFT AACP



ENGINE LIFE

CUMULATIVE AVERAGE HOURS AT REMOVAL

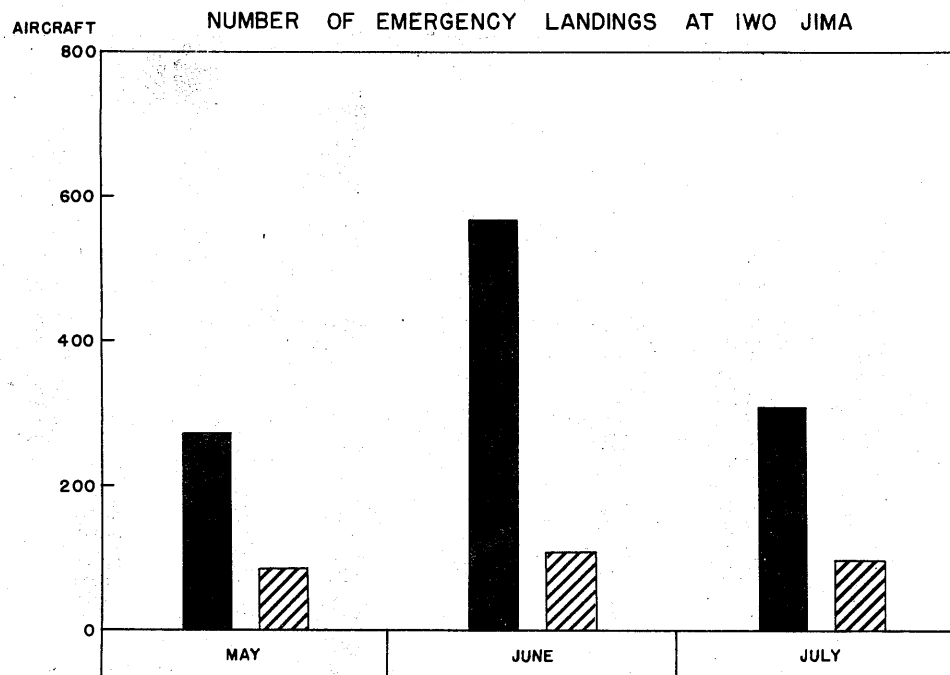
31 DEC	127.5	30 APR	233.3
31 JAN	152.3	31 MAY	254.9
28 FEB	161.7	30 JUN	264.9
31 MAR	192.8	31 JUL	269.0

PROJ. AV. 308.0

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UNCLASSIFIED MAINTENANCE AT IWO JIMA AND GAD

■ FOR REFUELING
▨ FOR MAINTENANCE



REASON FOR LANDING AT IWO JIMA

MONTH	REFUELING		MAINTENANCE						TOTAL	
			BATTLE DAMAGE		ENGINE MAINTENANCE		OTHER			
	NO	%OF SORTIES	NO	% OF SORTIES	NO	% OF SORTIES	NO	% OF SORTIES	NO	% OF SORTIES
MAY	276	6.1%	8	.1%	49	1.1%	28	.6%	363	7.9%
JUNE	571	10.1%	4	.1%	77	1.4%	27	.5%	680	12.1%
JULY	515	8.0%	9	.1%	90	1.4%	5	.1%	619	9.6%

STATUS OF PLANES AT IWO JIMA PLANE DAYS LOST

MONTH	ENGINE CHANGE		OTHER ENGINE MAINTENANCE		BATTLE DAMAGE		A O C P		AWAITING ENGINES		INSPECTION		OTHER MAINTENANCE		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
MAY	261	32.9%	142	18.0%	222	27.1%	101	11.6%	34	4.3%	2	0.3%	46	5.8%	787	100.0%
JUNE	408	34.7%	260	22.3%	240	20.2%	8	0.7%			6	0.5%	252	21.3%	1174*	100.0%
JULY	227	39.3%	127	22.0%	39	6.8%	1	0.2%			10	1.7%	173	30.0%	577	100.0%

* Excludes time aircraft were waiting to be picked up after they were ready for return.

MAINTENANCE OF B-29 & F-13 A/C AT THE GUAM AIR DEPOT TIME TO REPAIR

MONTH	INPUT	NO OF A/C RETURNED TO TACTICAL UNITS	NO OF A/C SALVAGED OR RETURNED TO U.S.	AVERAGE DAYS A/C WERE IN DEPOT	AVERAGE ELAPSED DAYS BEFORE WORK STARTED ON A/C	AVERAGE ON HAND
MAR	10	4	2	48.0	5.0	10.9
APR	17	5	5	87.6	10.7	12.3
MAY	14	10	4	27.0	3.2	16.6
JUNE	6	11	7	34.9	3.3	9.8
JULY	14	2	3	31.0	0.5	9.9

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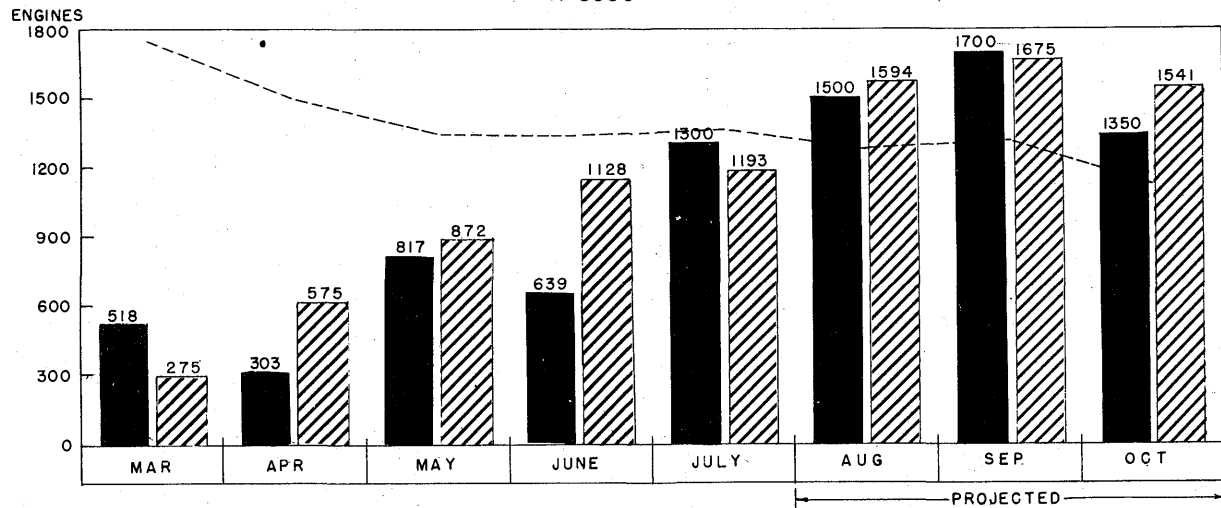
SUPPLY OF ENGINES, BOMBS, AND GASOLINE

UNCLASSIFIED

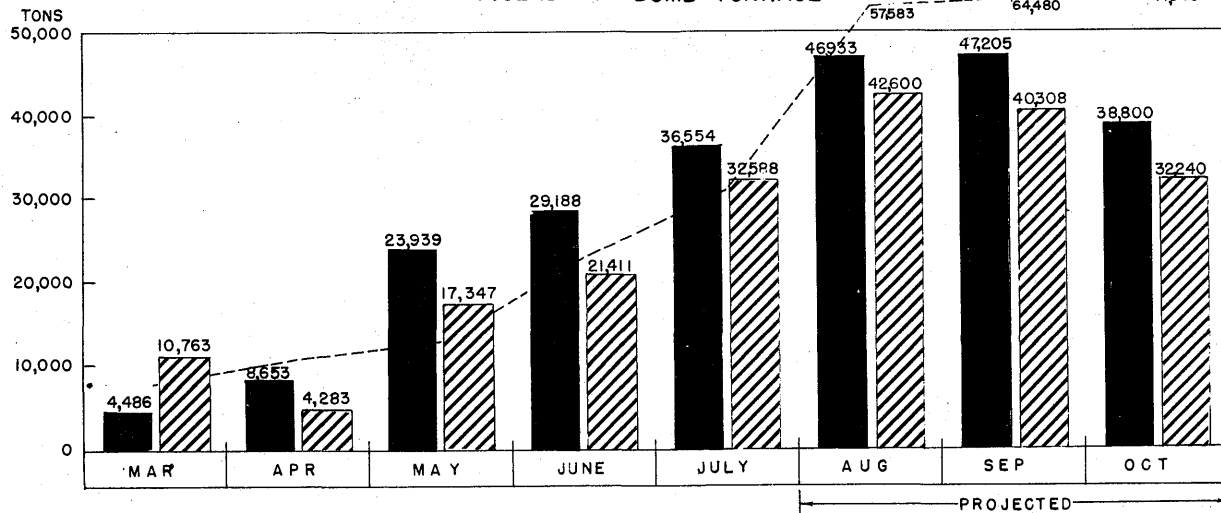
LEGEND

- RECEIVED
- CONSUMED
- ON HAND AT END OF MONTH

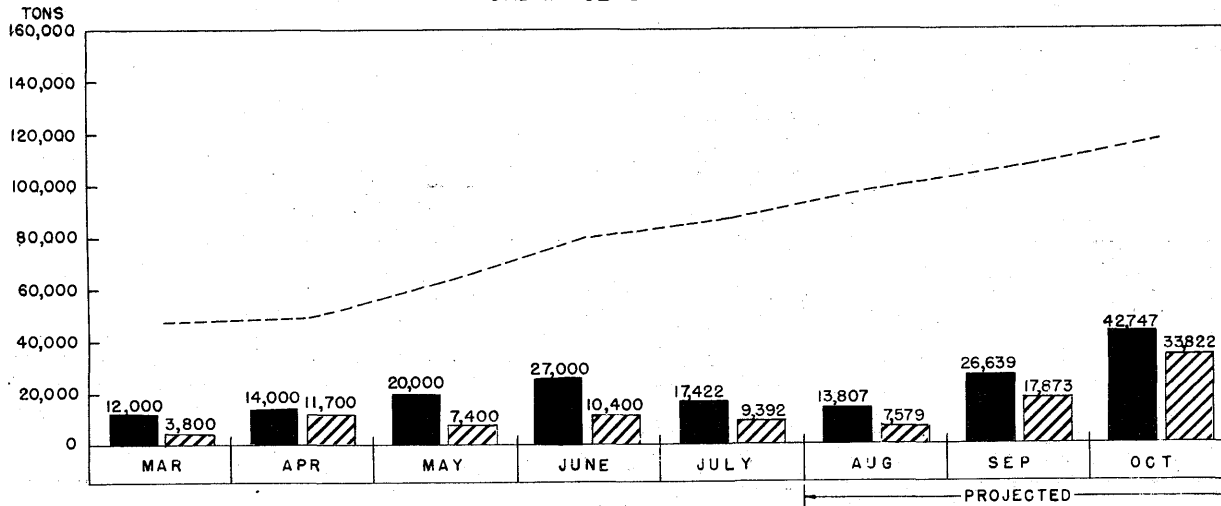
R-3350 ENGINES



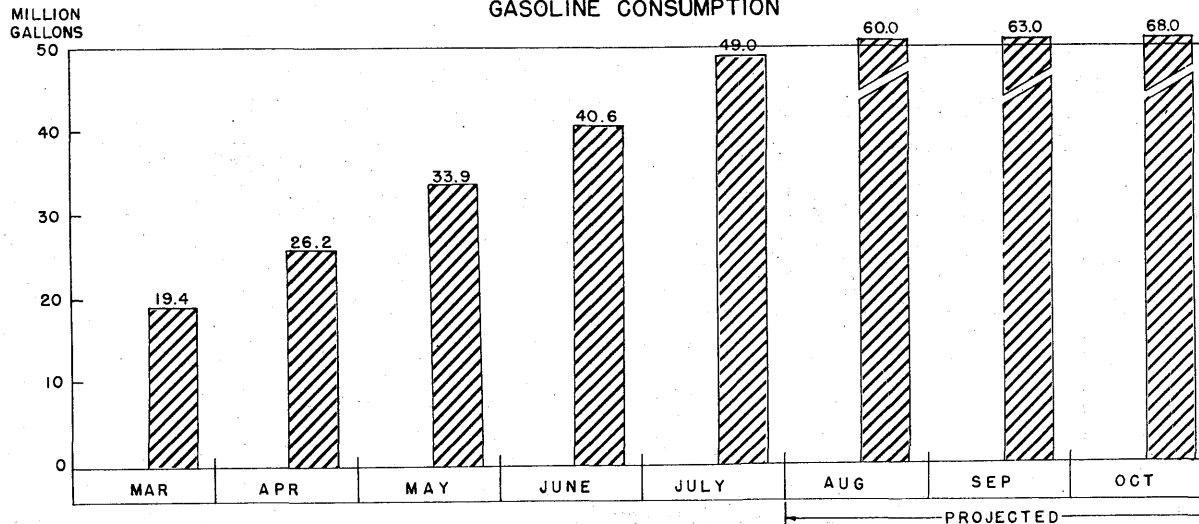
INCENDIARY BOMB TONNAGE



ORDNANCE BOMB TONNAGE



GASOLINE CONSUMPTION



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CRITICAL AIR CORPS SUPPLY ITEMS

CRITICAL PROPERTY LINE ITEMS BY AIR CORPS PROPERTY CLASS
(LESS THAN 30 DAY STOCK LEVEL ON HAND)

AIR FORCE TOTAL								58 TH BOMB WING	73 RD BOMB WING	313 TH BOMB WING	314 TH BOMB WING	315 TH BOMB WING	
CLASS	MONTH	NO. OF CRITICAL ITEMS	% OF STOCK RECORD CARDS						% OF STOCK RECORD CARDS	% OF STOCK RECORD CARDS	% OF STOCK RECORD CARDS	% OF STOCK RECORD CARDS	% OF STOCK RECORD CARDS
			10%	20%	30%	40%	50%	60%					
01	JUNE	3185	34.3%						36.0%	12.7%	89.4%	24.0%	
	JULY	1969	17.0%						9.8%	12.0%	11.1%	32.2%	28.5%
02	JUNE	226	9.9%						8.4%	9.9%	16.8%	5.5%	
	JULY	418	17.5%						11.0%	17.8%	20.3%	14.7%	37.3%
03	JUNE	1708	25.7%						24.5%	20.9%	34.7%	24.9%	
	JULY	1609	20.6%						22.9%	13.5%	22.7%	16.2%	43.4%
04	JUNE	2443	26.2%						36.1%	14.7%	35.6%	27.4%	
	JULY	2601	20.7%						17.0%	14.6%	12.3%	22.1%	55.4%
05	JUNE	1477	42.0%						40.2%	30.2%	60.8%	36.2%	
	JULY	1093	26.1%						56.1%	6.2%	16.4%	18.3%	52.3%
06	JUNE	104	36.6%						23.2%	29.3%	62.9%	33.0%	
	JULY	95	27.1%						35.3%	28.7%	18.6%	40.7%	
07	JUNE	413	27.8%						10.5%	42.7%	63.3%	36.5%	
	JULY	448	41.0%						67.1%	37.3%	21.4%	23.7%	82.3%
08	JUNE	949	30.3%						19.2%	26.4%	38.6%	38.2%	
	JULY	1046	27.2%						21.6%	24.4%	14.6%	39.3%	46.8%
10	JUNE	1111	43.9%						55.7%	4.4%	39.0%	83.6%	
	JULY	1164	40.7%						58.7%	4.6%	15.1%	83.7%	67.5%
11	JUNE	624	13.5%						8.1%	14.4%	13.3%	17.1%	
	JULY	677	13.7%						6.3%	11.1%	8.8%	22.0%	30.5%
12	JUNE	100	30.8%						17.6%	10.0%	34.4%	58.3%	
	JULY	28	18.7%						12.0%		30.8%	58.3%	25.0%
13	JUNE	160	19.7%						27.8%	12.9%	66.7%	23.0%	
	JULY	197	16.6%						39.4%		14.7%	24.7%	22.0%
15	JUNE	93	39.9%						77.3%	41.3%	27.0%	57.6%	
	JULY	70	27.7%						64.0%		27.3%	50.0%	25.0%
16	JUNE	No data available											
	JULY	1903	17.7%						22.9%		21.8%	9.5%	
17	JUNE	2792	52.1%						37.5%	43.8%	61.9%	66.3%	
	JULY	2331	34.7%						26.8%		57.5%	54.2%	56.3%
18	JUNE	861	61.1%						42.6%	61.5%	100.0%	26.6%	
	JULY	402	25.0%						58.5%		43.7%	26.7%	96.7%
19	JUNE	950	28.1%						72.3%		100.0%	58.8%	
	JULY	972	28.9%						89.0%		32.0%	58.2%	75.0%
20	JUNE	20	42.6%						66.7%	38.7%	80.0%	25.0%	
	JULY	11	23.9%						40.0%		80.0%	55.6%	
21	JUNE	160	32.0%						55.4%	17.2%	33.8%	45.8%	
	JULY	237	34.1%						41.5%	24.5%	17.3%	41.6%	52.5%
22	JUNE	70	54.3%						94.7%	17.1%	100.0%	52.0%	
	JULY	80	54.8%						70.0%	20.9%	100.0%	52.8%	90.9%
23	JUNE	996	46.6%						79.4%	42.0%	28.6%	42.8%	
	JULY	1014	37.0%						73.1%	40.4%	32.8%	26.9%	5.8%
24	JUNE	102	25.2%						32.9%	13.4%	39.4%	22.3%	
	JULY	148	30.5%						26.3%	12.1%	12.8%	49.6%	72.4%
25	JUNE	584	32.6%						37.4%	22.3%	34.2%	42.0%	
	JULY	764	34.7%						49.4%	22.3%	22.9%	23.8%	80.8%
28	JUNE	9	32.1%								83.3%	57.1%	
	JULY	9	20.0%						45.5%			44.4%	
29	JUNE	2225	33.3%						47.2%	19.1%	49.1%	28.1%	
	JULY	2154	20.7%						12.5%	17.4%	8.7%	24.8%	55.1%
30	JUNE	95	35.4%						11.1%			53.6%	
	JULY	18	3.7%						16.5%				

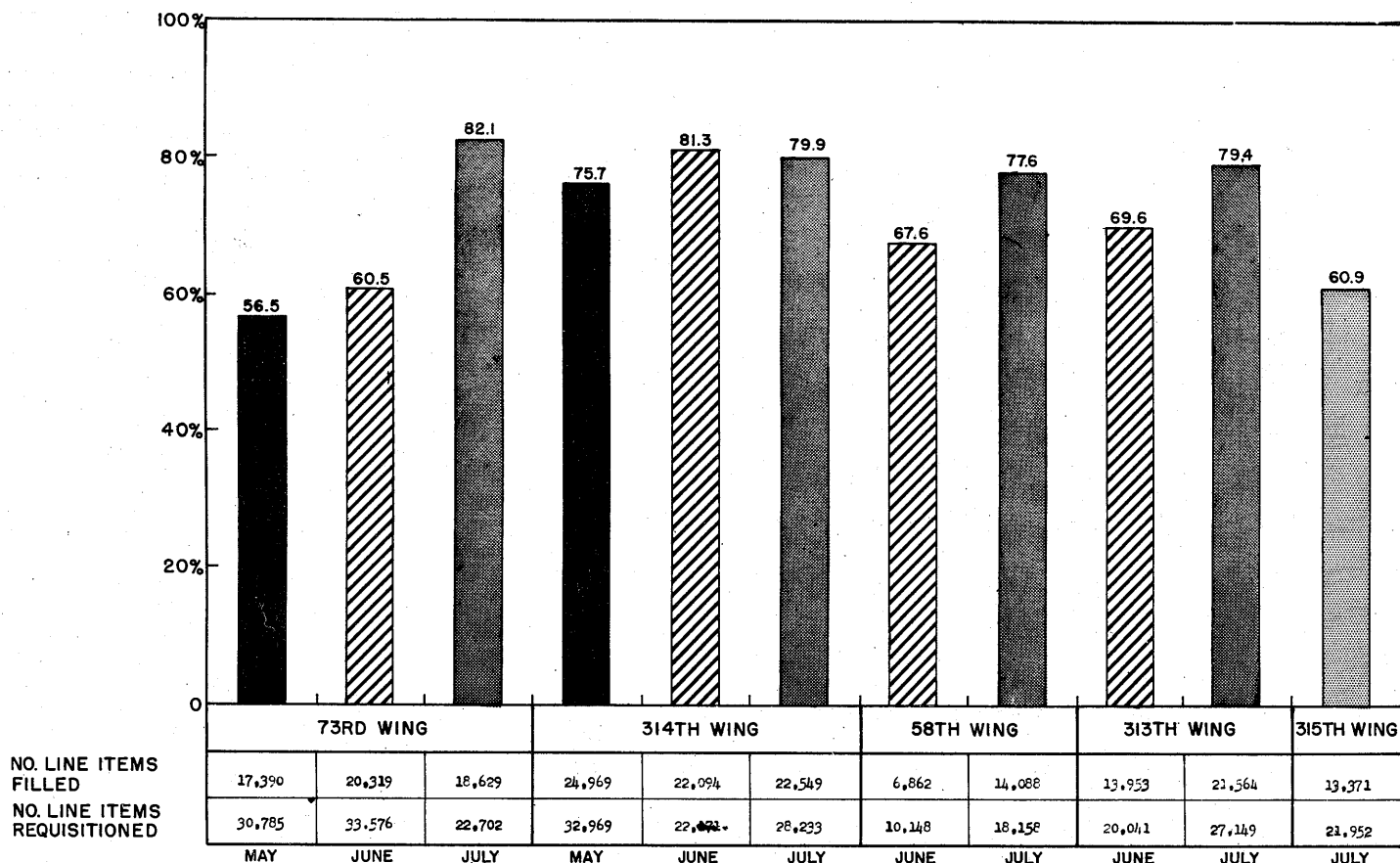
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LOCAL SUPPLY SOURCES

INITIAL SUPPLY EFFICIENCY

PERCENT OF LINE ITEMS FILLED BY SERVICE CENTERS ON INITIAL REQUISITION

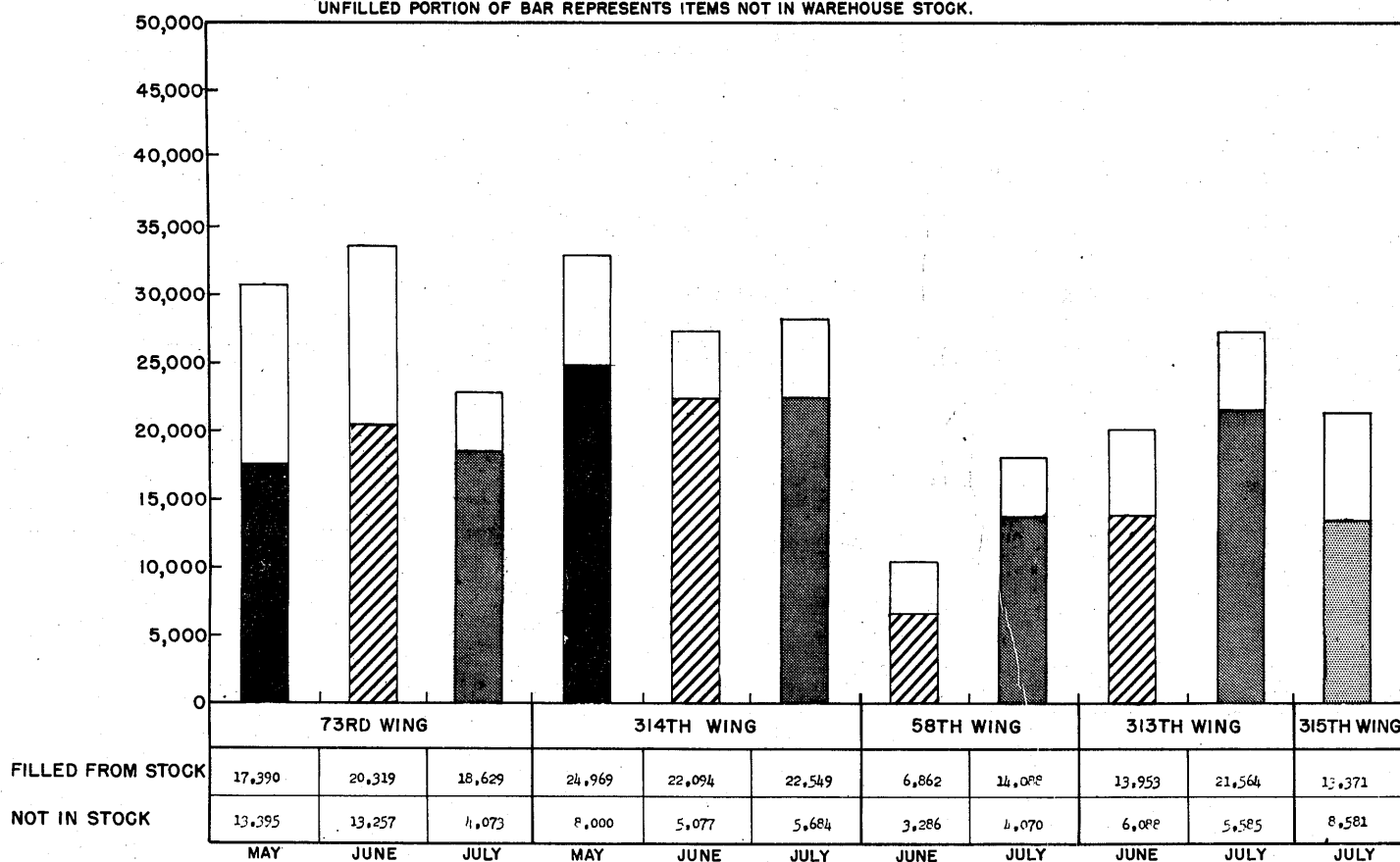
LEGEND
 MAY
 JUNE
 JULY



TOTAL LINE ITEMS PROCESSED

LEGEND
 MAY
 JUNE
 JULY

NOTE: FILLED PORTION OF BAR REPRESENTS ITEMS FILLED FROM WAREHOUSE STOCK.
 UNFILLED PORTION OF BAR REPRESENTS ITEMS NOT IN WAREHOUSE STOCK.

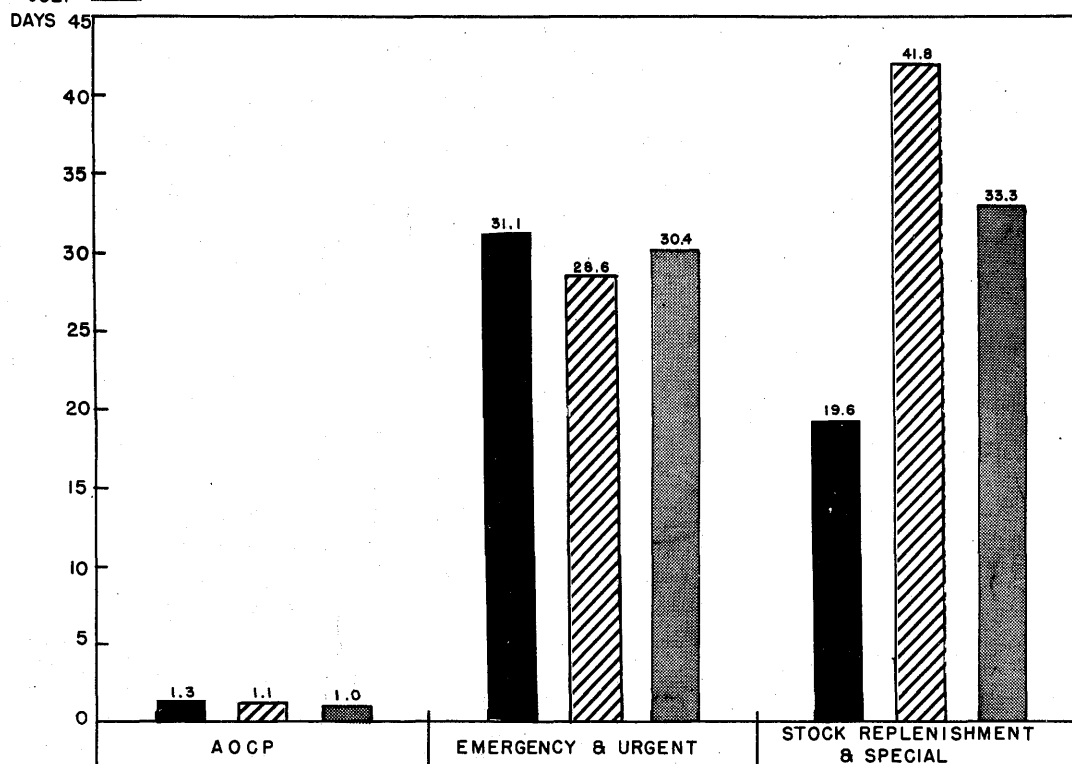


GAD AS A SOURCE OF SUPPLY FOR B-29 UNITS

ACTION TAKEN ON LINE ITEMS REQUISITIONED

		MAY		JUNE		JULY	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
A O C P	FILLED COMPLETELY	275	90.5%	287	94.1%	1015	97.5%
	FILLED PARTIALLY						
	BACK ORDERED						
	EXTRACTED	6	2.0%				
	CANCELLED, SUSPENDED OR UNKNOWN	23	7.5%	18	5.9%	26	2.5%
	TOTAL REQUISITIONS	304	100.0%	305	100.0%	1041	100.0%
EMERGENCY OR URGENT	FILLED COMPLETELY	4014	39.3%	4384	36.1%	6699	37.7%
	FILLED PARTIALLY	368	3.6%	355	2.9%	346	1.9%
	BACK ORDERED	2615	25.6%	3992	32.0%	4425	24.9%
	EXTRACTED	1881	18.4%	1553	12.8%	1467	8.2%
	CANCELLED, SUSPENDED OR UNKNOWN	1325	13.1%	1974	16.2%	4849	27.3%
	TOTAL REQUISITIONS	10203	100.0%	12158	100.0%	17786	100.0%
STOCK REPLENISHMENT AND SPECIAL	FILLED COMPLETELY	5140	52.9%	4567	42.6%	5712	35.6%
	FILLED PARTIALLY	405	4.2%	454	4.2%	339	2.1%
	BACK ORDERED	3236	33.3%	3119	29.1%	3620	22.6%
	EXTRACTED	739	7.6%	850	7.9%	829	5.2%
	CANCELLED, SUSPENDED OR UNKNOWN	192	2.0%	1726	16.1%	5543	34.6%
	TOTAL REQUISITIONS	9712	100.0%	10716	100.0%	16043	100.0%

MAY ■■■
 JUNE ▨▨▨ AVERAGE TIME CONSUMED IN PROCUREMENT OF SUPPLIES
 JULY ▩▩▩

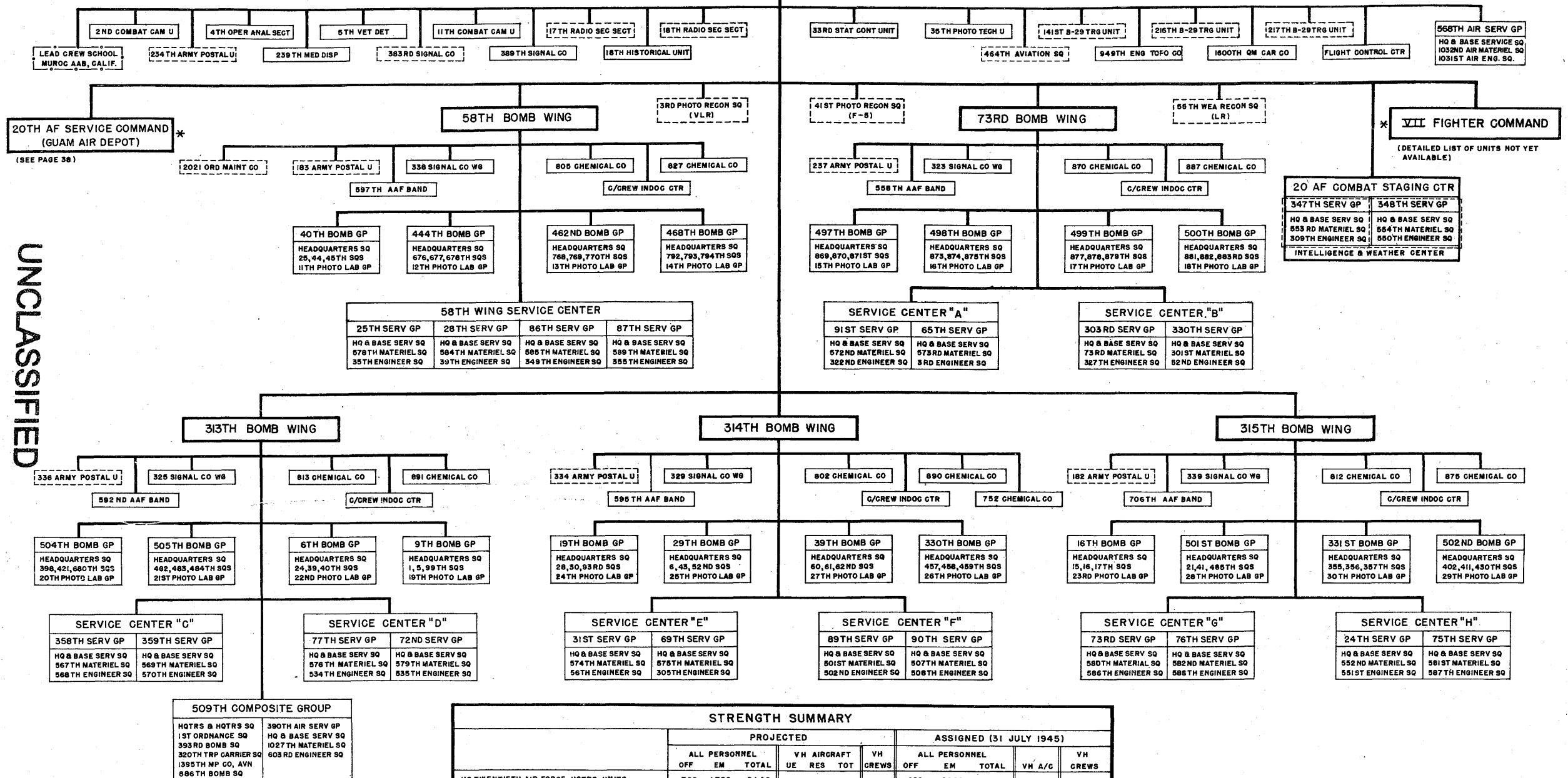

 BREAKDOWN OF AVERAGE TIME CONSUMED
 (AVERAGE DAYS TO FILL)

MONTH	A O C P			EMERGENCY & URGENT			STOCK REPLENISHMENT & SPECIAL		
	FILLED FROM STOCK	BACK ORDERED	EXTRACTED	FILLED FROM STOCK	BACK ORDERED	EXTRACTED	FILLED FROM STOCK	BACK ORDERED	EXTRACTED
MAY	1.2			8.0	23.3	57.5	16.0		51.6
JUNE	1.1			8.6	57.8	65.2	29.8	57.6	73.5
JULY	1.0			14.0	52.2	64.0	20.2	53.0	69.1

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TWENTIETH AIR FORCE ORGANIZATIONS & STRENGTH

HQ TWENTIETH AIR FORCE



STRENGTH SUMMARY

	PROJECTED					ASSIGNED (31 JULY 1945)				
	ALL PERSONNEL	VEH	AIRCRAFT	RES	TOT	ALL PERSONNEL	VEH	AIRCRAFT	RES	TOT
HQ TWENTIETH AIR FORCE HQTRS UNITS	366	1780	2146	—	—	482	2082	2564	3	—
58TH BOMBARDMENT WING ORGANIZATIONS	2644	12587	15231	128	64	2094	9942	12036	194	253
73RD BOMBARDMENT WING ORGANIZATIONS	2639	12389	15028	128	64	2194	10169	12363	201	242
313TH BOMBARDMENT WING ORGANIZATIONS	5004	14546	17549	136	69	2841	11697	13938	211	265
314TH BOMBARDMENT WING ORGANIZATIONS	2543	12463	15106	128	64	2118	10025	12143	195	263
315TH BOMBARDMENT WING ORGANIZATIONS	2635	12361	14996	128	64	1403	8632	10035	161	161
PHOTO & WEATHER ORGANIZATIONS	261	1148	1409	12	6	362	1364	1726	21	28
20 AF COMBAT STAGING CENTER (PROV)	101	1304	1405	—	—	100	1325	1425	16	16
GUAM AIR DEPOT *	555	9960	10515	—	—	479	9830	10309	—	—
VII FIGHTER COMMAND *	1143	6159	7302	—	—	NOT AVAILABLE	—	—	—	—
TOTAL	15991	64696	100687	662	331	11473	65066	76539	1002	1228

LEGEND:
 — ASSIGNED UNITS
 --- ATTACHED UNITS
 --- COORDINATION

NOTE: ALL BOMB GROUPS ARE TO BE AUTHORIZED ONE ADDITIONAL SQUADRON MAKING A TOTAL OF 4 BOMB SQS PER GROUP. DESIGNATIONS ARE NOT KNOWN AS YET.

* NOT YET ASSIGNED TO TWENTIETH AIR FORCE AS OF 1 AUGUST 1945.

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TWENTIETH AIR FORCE

ORGANIZATION OF THE GUAM AIR DEPOT

COMMANDING OFFICER

Colonel O. F. Carlson

DEPUTY COMMANDER

Colonel L. E. Hanson

CHIEF, SUPPLY DIVISION

Colonel R. B. Garretson

CHIEF, MAINTENANCE DIVISION

Colonel L. E. Martin

CHIEF, PERSONNEL & SERVICES DIVISION

Colonel D. E. Hooks

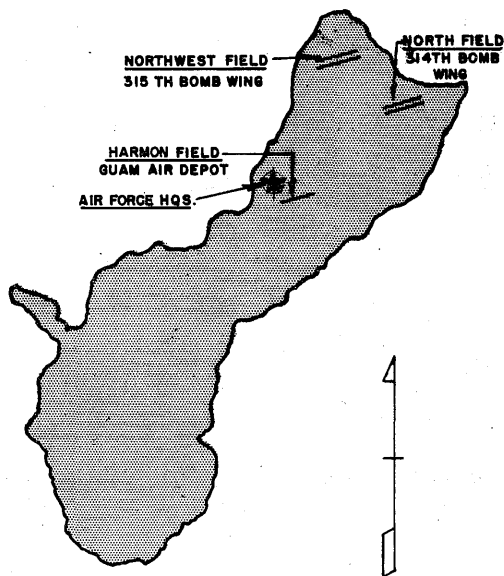
ORGANIZATIONS

ORGANIZATION	SUB-UNITS	AUTHORIZED STRENGTH			STRENGTH IN THEATER		
		OFF	E M	TOTAL	OFF	E M	TOTAL
Guam Air Depot Hq & Hq Sq		30	50	80	30	50	80
1st Air Base Operations Section (Anguar)*		5	27	32	5	27	32
2nd Air Base Operations Section		5	27	32	3	33	36
4th Air Base Operations Section*		5	27	32	2	27	29
87th Airdrome Sq (Sp) (Tinian)*		12	261	273	12	218	230
144th (B-29) Mobile Training Unit*		1	12	13	1	12	13
264th Army Postal Unit*		1	11	12	1	11	12
385th Aviation Squadron*		3	250	253	2	242	244
462nd Aviation Squadron*		3	250	253	2	253	255
463rd Aviation Squadron*		3	250	253	2	253	255
568th Air Service Group*		45	642	687	25	641	666
	Hq & Base Service Sq						
	1031st Air Engr Sq						
	1032nd Air Materiel Sq						
1370th Military Police Co, Avn		4	97	101	1	95	96
1386th Military Police Co, Avn*		4	97	101	1	97	98
1387th Military Police Co, Avn		4	97	101	4	99	103
1943rd Engineering Avn Utilities Detachment		3	73	76	2	69	71
1956th Ordnance Depot Co, Avn*		6	174	180	1	170	171
1970th Ordnance Depot Co, Avn		6	174	180	1	176	177
2016th Ordnance Maint Co, AF		9	206	215	1	204	205
Guam Droppable Tank Fabrication Plant Unit (AAF)*		2	122	124	2	120	122
1st Aircraft Repair Unit (Floating)		22	366	388	22	333	355
2nd Aircraft Repair Unit (Floating)		22	366	388	22	333	355
2nd Aircraft Maint Unit (Floating)		3	48	51	3	48	51
6th Aircraft Maint Unit (Floating)		3	48	51	3	48	51
9th Aircraft Maint Unit (Floating)*		3	48	51	3	48	51
16th Aircraft Maint Unit (Floating)*		3	48	51	3	48	51
17th Aircraft Maint Unit (Floating)*		3	48	51	3	48	51
24th Air Depot Group	Hq & Hq Sq	106	1945	2051	66	1948	2014
	24th Depot Repair Sq						
	99th Depot Repair Sq						
	24th Depot Supply Sq						
	318th Depot Supply Sq						
	18th Medical Supply Platoon						
	424th QM Platoon, ADG						
	468th QM Platoon, ADG						
	872nd Signal Co Depot, Avn						
	887th Signal Co Depot, Avn						
	2120th QM Truck Co, Avn						
	2268th QM Truck Co, Avn						
	2280th QM Truck Co, Avn						
	2283rd QM Truck Co, Avn						
25th Air Depot Group	Hq & Hq Sq	67	1067	1134	85	1072	1157
	25th Depot Repair Sq						
	25th Depot Supply Sq						
	81st Medical Supply Platoon						
	448th Quartermaster Platoon, ADG						
	901st Signal Co Depot, Avn						
	2061st QM Truck Co, Avn						
	2281st QM Truck Co, Avn						
55th Air Depot Group*	Hq & Hq Sq*	65	1152	1217	80	1150	1230
	301st Depot Repair Sq*						
	321st Depot Repair Sq*						
	86th Depot Supply Sq*						
	100th Depot Supply Sq*						
56th Air Depot Group	Hq & Hq Sq	107	1977	2084	91	1957	2048
	56th Depot Repair Sq						
	94th Depot Repair Sq						
	56th Depot Supply Sq						
	317th Depot Supply Sq						
	54th Medical Supply Platoon						
	423rd QM Platoon, ADG						
	467th QM Platoon, ADG						
	871st Signal Co Depot, Avn						
	922nd Signal Co Depot, Avn						
	2267th QM Truck Co, Avn						
	2278th QM Truck Co, Avn						
	2282nd QM Truck Co, Avn						
	2461st QM Truck Co, Avn						
TOTAL		555	9960	10515	479	9890	10369

* Attached Units.

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31 JULY 1945



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TWENTIETH AIR FORCE

ORGANIZATIONS AT GUAM

ORGANIZATION	SUB-UNITS	AUTHORIZED STRENGTH			STRENGTH IN THEATER			ETA OF UNITS NOT IN THEATER
		OFF.	E.M.	TOTAL	OFF.	E.M.	TOTAL	
TWENTIETH AIR FORCE HQ UNITS								
AIR FORCE HEADQUARTERS								
Hq & Hq Sq		196	430	626	314	654	968	
4th Oper Analysis Section		6	10	16	-	9	9	
5th Veterinary Det		3	7	10	1	3	4	
11th Combat Camera Unit		8	22	30	5	22	27	
17th Radio Security Section*		2	36	38	2	35	37	
18th Radio Security Section*		2	36	38	2	36	38	
18th Historical Unit		2	2	4	2	2	4	
33rd Statistical Control Unit		18	104	122	18	100	118	
35th Photo Technical Unit		36	89	125	38	116	154	
41st Photo Recon Sq (F-5)*		49	290	339	54	296	350	
141st Mobile Training Unit*		1	12	13	-	-	-	15 Aug 45
216th Mobile Training Unit*		8	3	11	8	3	11	
217th Mobile Training Unit*		8	3	11	8	3	11	
234th Army Postal Unit*		1	11	12	1	11	12	
239th Medical Dispensary, Avn		4	24	28	5	23	28	
383rd Signal Co, Avn*		7	119	126	12	185	197	
389th Signal Co, Avn		13	193	206	12	204	216	
949th Engineer Avn Topo Co		10	235	245	10	224	234	
1600th Quartermaster Car Co		5	124	129	3	132	135	
TOTAL FOR AIR FORCE HEADQUARTERS		379	1750	2129	495	2058	2553	
HARMON FIELD								
3rd Photo Recon Sq, VLR*		165	598	763	179	635	814	
55th Recon Sq, LR, Weather* (Flt A & B)*		47	260	307	129	433	562	
464th Aviation Squadron*		3	250	253	3	250	253	
TOTAL FOR HARMON FIELD		215	1108	1323	311	1318	1629	
TOTAL FOR TWENTIETH AIR FORCE HQ UNITS		594	2858	3452	806	3376	4182	
GUAM AIR DEPOT UNITS - HARMON FIELD (See page 38)**								
		555	9960	10515	479	9830	10309	
314TH BOMBARDMENT WING - NORTH FIELD								
Hq & Hq Sq		88	136	224	95	162	257	
Combat Crew Indoctrination Center#		5	39	44	-	-	-	
329th Signal Co, Wing		8	122	130	8	117	125	
334th Army Postal Unit*		1	12	13	1	12	13	
595th AAF Band		1	28	29	1	28	29	
752nd Chemical Depot Co, Avn		4	74	78	4	71	75	
802nd Chemical Co, Air Opns		4	130	134	4	124	128	
890th Chemical Co, Air Opns		4	130	134	4	128	132	
19th Bomb Group	Hq, 28, 30, 93 Sqs	584	2279	2863	463	1694	2157	
29th Bomb Group	24th Photo Lab Op	584	2279	2863	472	1678	2150	
39th Bomb Group	Hq, 6, 43, 52 Sqs	584	2279	2863	436	1701	2137	
330th Bomb Group	25th Photo Lab Op	584	2279	2863	448	1705	2153	
	Hq, 60, 61, 62 Sqs	584	2279	2863	448	1705	2153	
	27th Photo Lab Op	584	2279	2863	448	1705	2153	
	Hq, 457, 458, 459 Sqs	584	2279	2863	448	1705	2153	
	26th Photo Lab Op	584	2279	2863	448	1705	2153	
31st Air Service Group	Hq and Base Serv Sq	48	669	717	47	653	700	
	574th Air Materiel Sq	48	669	717	44	649	693	
69th Air Service Group	56th Air Engr Sq	48	669	717	44	649	693	
	Hq and Base Serv Sq	48	669	717	44	649	693	
89th Air Service Group	575th Air Materiel Sq	48	669	717	46	659	705	
	305th Air Engr Sq	48	669	717	46	659	705	
	Hq and Base Serv Sq	48	669	717	46	659	705	
	501st Air Materiel Sq	48	669	717	46	659	705	
	502nd Air Engr Sq	48	669	717	46	659	705	
90th Air Service Group	Hq and Base Serv Sq	48	669	717	45	644	689	
	507th Air Materiel Sq	48	669	717	45	644	689	
	508th Air Engr Sq	48	669	717	45	644	689	
TOTAL FOR 314TH WING		2643	12463	15106	2118	10025	12143	
315TH BOMBARDMENT WING - NORTHWEST FIELD								
Hq & Hq Sq		88	136	224	91	154	245	
Combat Crew Indoctrination Center#		5	39	44	-	-	-	
182nd Army Postal Unit*		1	12	13	1	12	13	
339th Signal Co, Wing		8	122	130	8	117	125	
706th AAF Band		1	28	29	-	-	-	30 Sep 45
812th Chemical Co, Air Opns		4	130	134	-	-	-	20 Aug 45
875th Chemical Co, Air Opns		4	130	134	-	-	-	20 Aug 45
16th Bomb Group	Hq, 15, 16, 17 Sqs	584	2279	2863	327	1582	1909	
	23rd Photo Lab Op	584	2279	2863	327	1582	1909	
331st Bomb Group	Hq, 355, 356, 357 Sqs	584	2279	2863	129	978	1107	
	30th Photo Lab Op	584	2279	2863	327	1580	1907	
501st Bomb Group	Hq, 31, 41, 485 Sqs	584	2279	2863	327	1580	1907	
	28th Photo Lab Op	584	2279	2863	327	1580	1907	
502nd Bomb Group	Hq, 402, 411, 430 Sqs	584	2279	2863	333	1576	1909	
	29th Photo Lab Op	584	2279	2863	333	1576	1909	
24th Air Service Group	Hq and Base Serv Sq	47	662	709	47	653	700	
	552nd Air Materiel Sq	47	662	709	47	653	700	
73rd Air Service Group	551st Air Engr Sq	47	662	709	48	658	706	
	Hq and Base Serv Sq	47	662	709	48	658	706	
75th Air Service Group	580th Air Materiel Sq	47	662	709	46	654	700	
	586th Air Engr Sq	47	662	709	46	654	700	
	Hq and Base Serv Sq	47	662	709	46	654	700	
	581st Air Materiel Sq	47	662	709	46	654	700	
	587th Air Engr Sq	47	662	709	46	654	700	
76th Air Service Group	Hq and Base Serv Sq	47	662	709	46	654	700	
	582nd Air Materiel Sq	47	662	709	46	654	700	
	588th Air Engr Sq	47	662	709	46	654	700	
TOTAL FOR 315TH WING		2635	12361	14996	1403	8632	10035	
ISLAND TOTAL		6427	37642	44069	4806	31863	36669	31 July 1945

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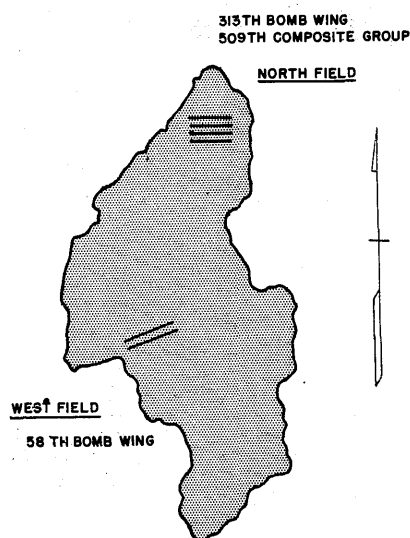
Bulk allotment units
* Attached units
** Not yet assigned to 20 AF as of 1 Aug '45

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NOTE: Bomb Groups' Authorized Strength has been adjusted to reflect eventual ratio of 2.5 crews per U/E A/C, on the basis of 5 Off & 6 EM per crew, for a total of 80 crews per group. The figures also include the strength necessary to man a fourth bomb squadron, the designations of which are unknown at this time.

Bulk allotment units
* Attached units
** Not yet assigned to 20 AF as of 1 Aug '45

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TWENTIETH AIR FORCE

ORGANIZATIONS AT TINIAN

ORGANIZATION	SUB - UNITS	AUTHORIZED STRENGTH			STRENGTH IN THEATER			ETA OF UNITS
		OFF.	E.M.	TOTAL	OFF.	E.M.	TOTAL	NOT IN THEATER
50TH BOMBARDMENT WING - WEST FIELD								
Hq & Hq Sq		88	136	224	149	219	368	
Combat Crew Indoctrination Center#		5	39	44				
2nd Combat Camera Unit (Assigned to Hq 20 AF)		8	22	30	8	20	28	
183rd Army Postal Unit*		1	12	13	1	12	13	
338th Signal Co. Wing		8	119	127	8	117	125	
597th AAF Band		1	28	29				30 Sep 45
805th Chemical Co. Air Opns		4	130	134				20 Aug 45
827th Chemical Co. Air Opns		4	130	134				20 Aug 45
2021st Ordnance Maint Co. AF*		9	206	215	9	205	214	
40th Bomb Group	Hq, 25, 44, 45 Sqs	584	2279	2863	474	1784	2258	
	11th Photo Lab Gp							
444th Bomb Group	Hq, 676, 677, 678 Sqs	584	2279	2863	438	1712	2150	
	12th Photo Lab Gp							
462nd Bomb Group	Hq, 768, 769, 770 Sqs	584	2279	2863	406	1652	2058	
	13th Photo Lab Gp							
468th Bomb Group	Hq, 792, 793, 794 Sqs	584	2279	2863	445	1678	2123	
	14th Photo Lab Gp							
25th Air Service Group	Hq and Base Serv Sq	47	667	714	41	649	690	
	578th Air Materiel Sq							
28th Air Service Group	35th Air Engr Sq	47	667	714	39	639	678	
	Hq and Base Serv Sq							
	584th Air Materiel Sq							
86th Air Service Group	39th Air Engr Sq	47	667	714	39	634	673	
	Hq and Base Serv Sq							
	585th Air Materiel Sq							
87th Air Service Group	349th Air Engr Sq	47	667	714	45	641	686	
	Hq and Base Serv Sq							
	589th Air Materiel Sq							
	355th Air Engr Sq							
TOTAL FOR 50TH WING		2652	12609	15261	2102	9962	12064	
313TH BOMBARDMENT WING - NORTH FIELD								
Hq & Hq Sq		88	136	224	108	164	272	
Combat Crew Indoctrination Center#		5	39	44				
325th Signal Co. Wing		8	122	130	7	112	119	
336th Army Postal Unit*		1	12	13	1	12	13	
592nd AAF Band		1	28	29	1	27	28	
813th Chemical Co. Air Opns		4	130	134	4	122	126	
891st Chemical Co. Air Opns		4	130	134	5	126	131	
6th Bomb Group	Hq, 24, 39, 40 Sqs	584	2279	2863	439	1764	2203	
	22nd Photo Lab Gp							
9th Bomb Group	Hq, 1, 5, 99 Sqs	584	2279	2863	447	1777	2224	
	19th Photo Lab Gp							
504th Bomb Group	Hq, 398, 421, 680 Sqs	584	2279	2863	432	1756	2188	
	20th Photo Lab Gp							
505th Bomb Group	Hq, 482, 483, 484 Sqs	584	2279	2863	456	1790	2246	
	21st Photo Lab Gp							
72nd Air Service Group	Hq and Base Serv Sq	48	669	717	44	657	701	
	579th Air Materiel Sq							
77th Air Service Group	535th Air Engr Sq	48	669	717	45	659	704	
	Hq and Base Serv Sq							
	576th Air Materiel Sq							
358th Air Service Group	534th Air Engr Sq	48	669	717	45	654	699	
	Hq and Base Serv Sq							
	567th Air Materiel Sq							
359th Air Service Group	568th Air Engr Sq	48	669	717	45	668	713	
	Hq and Base Serv Sq							
	569th Air Materiel Sq							
	570th Air Engr Sq							
Sub-total		2639	12389	15028	2079	10288	12367	
509th Composite Group	Hq and Hq Squadron	365	3156	2521	162	1409	1571	
	393rd Bomb Sq							
	886th Bomb Sq							To be activated
	320th Troop Carrier Sq							
	390th Air Service Group							
	Hq and Base Serv Sq							
	1027th Air Materiel Sq							
	603rd Air Engr Sq							
	1st Ordnance Sq, Avn (Sp)							
	1395th M. P. Co, Avn							
TOTAL FOR 313TH WING		3004	14545	17549	2241	11697	13938	
ISLAND TOTAL		5656	27154	32810	4343	21659	26002	

NOTE: Bomb Groups' Authorized Strength has been adjusted to reflect eventual ratio of 2.5 crews per U/E A/C, on the basis of 5 Off & 6 E.M. crews, for a total of 80 crews per group. The figures also include the strength necessary to man a fourth bomb squadron, the designations of which are unknown at this time.

* Attached units
Bulk allotment units

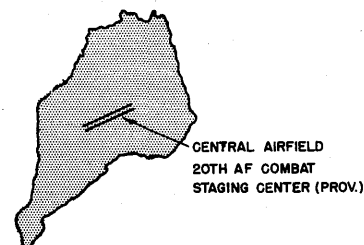
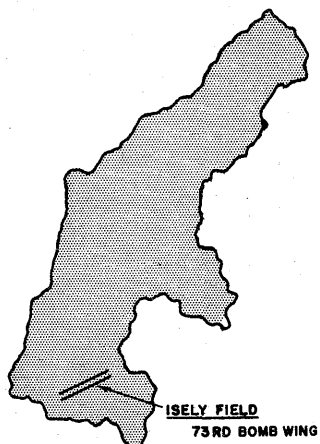
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TWENTIETH AIR FORCE

ORGANIZATIONS AT SAIPAN & IWO JIMA



SAIPAN

ORGANIZATION	SUB - UNITS	AUTHORIZED STRENGTH			STRENGTH IN THEATER		
		OFF	E.M.	TOTAL	OFF.	E.M.	TOTAL
73RD BOMBARDMENT WING - ISELY FIELD							
Hq & Hq Sq		88	136	224	90	167	257
Combat Crew Indoctrination Center#		5	39	44	-	-	-
237th Army Postal Unit*		1	12	13	1	12	13
323rd Signal Company, Wing		8	122	130	7	113	120
558th AAF Band		1	28	29	1	27	28
870th Chemical Co, Air Opns		4	130	134	4	121	125
887th Chemical Co, Air Opns		4	130	134	4	127	131
497th Bomb Group	Hq, 869, 870, 871 Sqs 15th Photo Lab Gp	584	2279	2863	461	1744	2205
498th Bomb Group	Hq, 873, 874, 875 Sqs 16th Photo Lab Gp	584	2279	2863	494	1751	2245
499th Bomb Group	Hq, 877, 878, 879 Sqs 17th Photo Lab Gp	584	2279	2863	478	1771	2249
500th Bomb Group	Hq, 881, 882, 883 Sqs 18th Photo Lab Gp	584	2279	2863	476	1752	2228
65th Air Service Group	Hq and Base Serv Sq 573rd Air Materiel Sq 3rd Air Engr Sq	48	669	717	42	655	697
91st Air Service Group	Hq and Base Serv Sq 572nd Air Materiel Sq 322nd Air Engr Sq	48	669	717	45	645	690
303rd Air Service Group	Hq and Base Serv Sq 73rd Air Materiel Sq 327th Air Engr Sq	48	669	717	46	645	691
330th Air Service Group	Hq and Base Serv Sq 301st Air Materiel Sq 52nd Air Engr Sq	48	669	717	45	659	704
TOTAL FOR 73RD WING		2639	12389	15028	2194	10169	12363
Flight Control Center (Assigned to Hq 20 AF)#		25	48	73	30	50	80
ISLAND TOTAL		2664	12437	15101	2224	10219	12443

IWO JIMA

TWENTIETH AIR FORCE COMBAT STAGING CENTER (Provisional) - CENTRAL AIRFIELD							
Intelligence & Weather Center#		9	4	13	-	-	-
347th Air Service Group*	Hq and Base Serv Sq 553rd Air Materiel Sq 309th Air Engr Sq	44	631	675	48	647	695
348th Air Service Group*	Hq and Base Serv Sq 554th Air Materiel Sq 550th Air Engr Sq	48	669	717	52	678	730
VII FIGHTER COMMAND UNITS**		1143	6159	7302	not available		
ISLAND TOTAL		1244	7463	8707	100	1325	1425

NOTE: Bomb Groups' Authorized Strength has been adjusted to reflect eventual ratio of 2.5 crews per B-24 A/C, on the basis of 5 Off & 6 EM per crew, for a total of 80 crews per group. The figures also include the strength necessary to man a fourth bomb squadron, the designations of which are unknown at this time.

- * Attached Units
- # Bulk allotment units
- ** Not assigned to Twentieth Air Force as of 1 Aug '45.

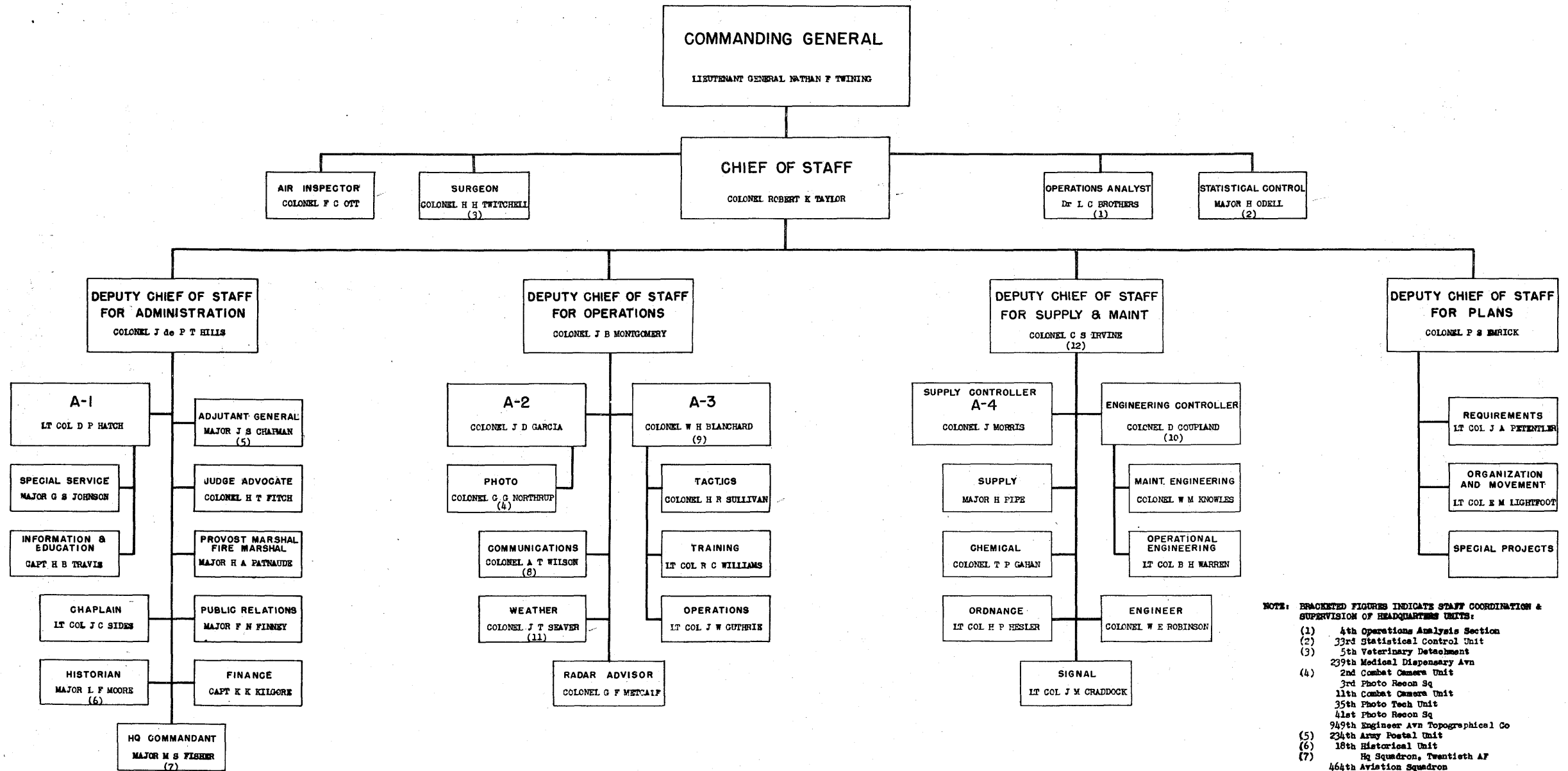
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31 July 1945

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HEADQUARTERS TWENTIETH AIR FORCE

STAFF ORGANIZATION CHART



NOTE: BRACKETED FIGURES INDICATE STAFF COORDINATION & SUPERVISION OF HEADQUARTERS UNITS:

- (1) 4th Operations Analysis Section
- (2) 33rd Statistical Control Unit
- (3) 5th Veterinary Detachment
- (4) 239th Medical Dispensary Avn
- (5) 2nd Combat Camera Unit
- (6) 3rd Photo Recon Sq
- (7) 11th Combat Camera Unit
- (8) 35th Photo Tech Unit
- (9) 41st Photo Recon Sq
- (10) 949th Engineer Avn Topographical Co
- (11) 234th Army Postal Unit
- (12) 18th Historical Unit
- (13) Hq Squadron, Twentieth AF
- (14) 464th Aviation Squadron
- (15) 1600th Quartermaster Car Co
- (16) 17th Radio Security Section
- (17) 18th Radio Security Section
- (18) 383rd Signal Company Avn
- (19) 389th Signal Company Avn
- (20) Flight Control Center
- (21) 141st B-29 Mobile Training Unit
- (22) 216th B-29 Mobile Training Unit
- (23) 217th B-29 Mobile Training Unit
- (24) 568th Air Service Group
- (25) 55th Recon Sq, IR. Weather
- (26) Gunn Air Depot

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WING HEADQUARTERS STAFF PERSONNEL ROSTER

	58TH BOMB WING	73RD BOMB WING	313TH BOMB WING	314TH BOMB WING	315TH BOMB WING
COMMANDING GENERAL	Brig Gen Roger M. Ramsey Col Alva L. Harvey (Dep Com)	Brig Gen Emmett O'Donnell Jr.	Brig Gen John H. Davies	Col Carl R. Storrie	Brig Gen Frank A. Armstrong, Jr.
CHIEF OF STAFF	Col Dwight C. Monteith	Col Walter C. Sweeney Jr.	Col Donald W. Eisenhart	Col Dolf E. Muehleisen	Col Leland S. Stramathan
AIR INSPECTOR	Lt Col J. W. Morris	Lt Col P. R. Oskarblom	Col R. A. Ping	Lt Col C. E. Wood	Major M. N. W. McCoy
SURGEON	Lt Col F. E. McDonough	Major E. F. Hellwig	Lt Col H. A. Myers	Lt Col J. E. Keeler	Lt Col H. J. Davis
STATISTICAL CONTROL	Capt W. A. Jensen	Capt H. R. Owens	Capt H. C. Mann	Capt H. B. Shaefer	Lt T. M. Marentette
D C/S FOR OPERATIONS	Col T. E. Moore	Col J. R. Sutherland	Col D. E. Wilson	Col H. T. Wheeler	Col W. A. Miller
A-2	Lt Col S. S. Terry	Lt Col C. Snow	Lt Col H. D. Kenzie	Lt Col H. W. Besse	Lt Col S. S. Bartlett
A-3	Lt Col F. G. Wilson	Lt Col W. E. Beightol	Lt Col O. J. Poage	Lt Col J. R. Maney	Lt Col T. C. Parkinson
WEATHER	Major T. S. Carroll	Major B. F. Hopkins, Jr.	Major L. H. Robinson	Major D. P. Heffernon	Major W. A. Brown
COMMUNICATIONS	Major W. M. Hilt	Lt Col E. L. Hotchkiss	Lt Col E. H. Mittanek	Major C. V. Broadway	Major F. J. Shannon Sr.
D C/S FOR SUP. & MAINT.	Lt Col R. E. Greer	Col G. E. Schaezel	Col G. P. Conner	Col C. P. Sheffield	Col E. T. Kennedy
MAINT. CONTROLLER	Lt Col B. H. Burns	Major E. D. Gram	Col G. J. Schriever	Col J. L. M. Des Isles	Col L. W. Fulton
SUPPLY CONTROLLER	Lt Col D. G. Williams	Col H. W. Shellmire	Lt Col C. F. Macomber	Lt Col G. R. Bailey	Major W. D. Carlos
ORDNANCE	Major E. H. Jeffries	Major I. T. Hermanson	Major F. K. Serkland	Major J. J. Hillsley Jr.	Capt W. A. Martin
CHEMICAL WARFARE	Capt E. A. Briggs	Capt S. F. Eldridge	Capt L. J. Madesu	Capt J. A. Emmert	Capt W. E. Winsor
QUARTERMASTER	Capt J. M. McCarron	Capt L. W. Heine	Capt C. Erickson Jr.	Major A. H. Rosen	Capt N. R. Grimm
ARMAMENT	Capt D. W. Ross	Capt E. W. Roney	Capt W. T. James	Major R. E. Surber	Capt H. R. Dulac
D C/S FOR ADMIN.	Lt Col C. N. Gottenberger	Col E. M. Landon	Col L. W. Proper	Col L. H. Hunt	Col D. T. Carney
A-1	Lt Col N. P. Mortensen	Lt Col L. T. Love	Lt Col C. H. Brown	Lt Col R. W. Dickson Jr.	Lt Col L. Kilbourne
ADJUTANT	Major R. Langley	Lt Col W. W. Farquhar	Major C. H. Connally	Lt Col F. Cooley	Major K. S. Brown
PROVOST MARSHAL	Capt T. B. Leonard	Capt T. Krisher	Major J. G. Foley	Capt G. H. Wygant Jr.	Capt J. F. Doyle
HQ SQUADRON	Capt C. E. Franks	Capt L. W. Heine	Major S. Randall	Major M. W. Tumanis	Capt L. L. Martin

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TWENTIETH AIR FORCE

BOMBARDMENT GROUP
KEY PERSONNEL ROSTER

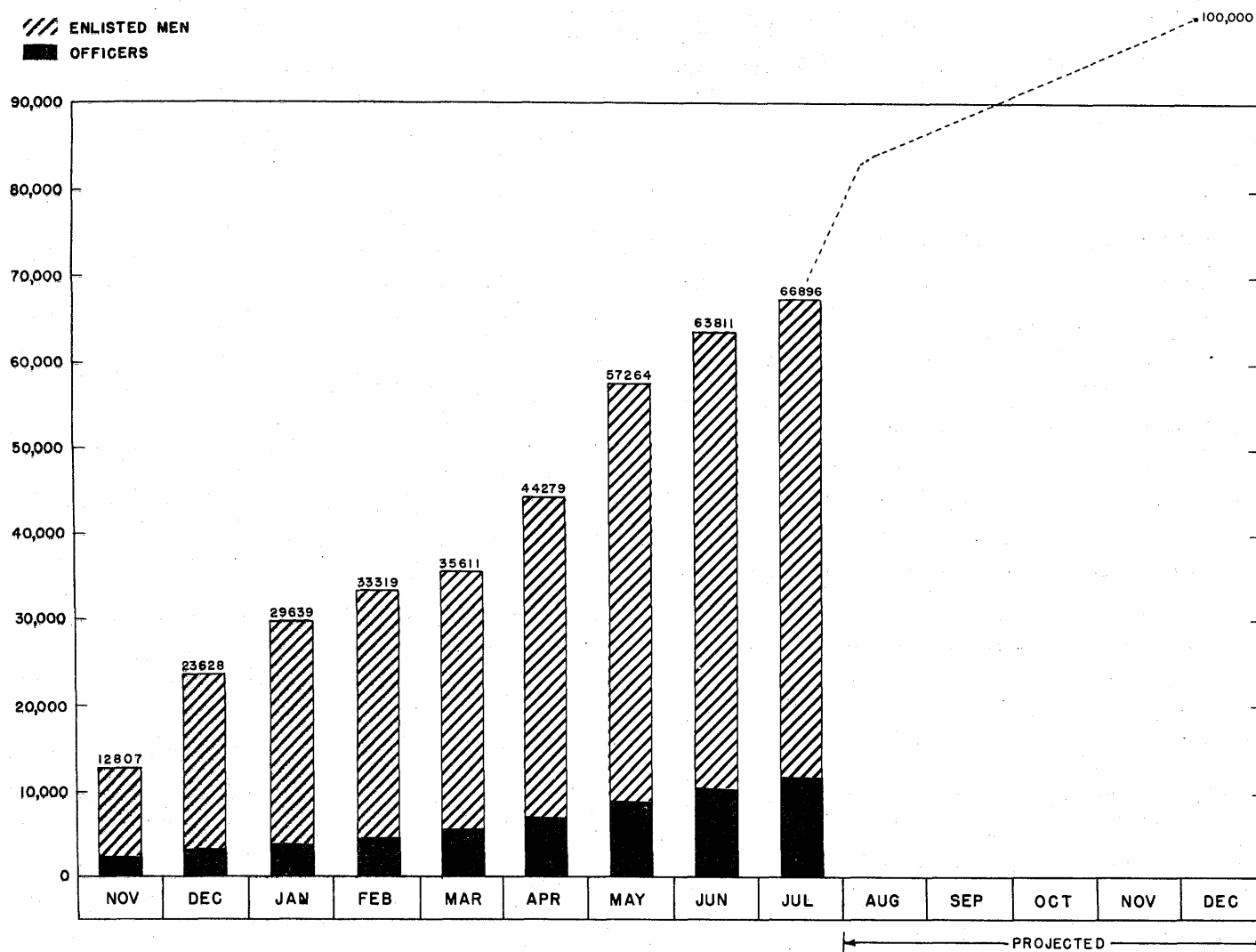
GROUP	WING	GROUP COMMANDER	DEPUTY COMMANDER	EXECUTIVE OFFICER	GROUP STAFF OFFICERS	SQUADRON COMMANDERS
6TH	313	Col Kenneth H. Gibson	Lt Col Theodore W. Tucker	Major Robert P. Tatum	S-1 Capt Joseph W. Bowman S-2 Major Fredrick W. Speers S-3 Major Louis M. Sowers S-4 Major Robert O. Bawn	24TH Lt Col Charles E. Blankenhorn, Jr. 39TH Lt Col John W. Osborn 40TH Major Harry H. Latourette
9TH	313	Col Henry C. Huglin	Lt Col William L. Hall	Lt Col Albert L. Perry	S-1 Capt Thell E. Rea S-2 Capt Leonard R. Brown S-3 Lt Col Frank L. Ingehen S-4 Capt Norman S. Weinberg	1ST Lt Col Leroy V. Casey 5TH Lt Col Malvern H.W. Brown 99TH Lt Col Lewis J. Wright
16TH	315	Lt Col Andre F. Castellotti	Lt Col Collier H. Davidson	Major Robert C. Hopsak	S-1 Capt George R. Rittenhouse S-2 Major Oliver C. Mosman, Jr. S-3 Major Ted S. Smith S-4 Capt Francis L. McLaughlin	15TH Major Richard W. Kline 16TH Major Coleman Stripling 17TH Major Richard W. Lavin
19TH	314	Col John A. Roberts	Lt Col George T. Chadwell	Lt Col John C. Wilson	S-1 Major James L. Coley S-2 Capt Raymond J. Boland S-3 Major Harry C. Mailley S-4 Major Joseph H. Selliken	28TH Major George A. Umrich 30TH Lt Col Robert B. Irwin 93RD Lt Col Leon L. Lowry
29TH	314	Lt Col Robert J. Mason	Lt Col Loran D. Briggs	Lt Col Dudley S. Washington	S-1 Capt John G. Rose S-2 Capt Alexander Yearley S-3 Major Harry L. Evans, Jr. S-4 Major Lee R. Wright	6TH Major Gerald R. Jorgensen 43RD Lt Col Joseph G. Perry 52ND Major Thomas W. Abbott, Jr.
39TH	314	Col George W. Mundy	Lt Col Frank P. Sturdivant	Lt Col John E. Cobdron	S-1 Capt Daniel H. Foxwell S-2 Major Charles T. Radford S-3 Lt Col James H. Thompson S-4 Capt David M. Part	60TH Major Woodward B. Carpenter 61ST Major William J. Crumm 62ND Lt Col Robert W. Strong, Jr.
40TH	58	Col William E. Skner	Lt Col Oscar R. Schaaf	Lt Col Winifred G. Shuttlers	S-1 Major Frank W. McWalters S-2 Major Louis E. Sherck S-3 Major William G. Renfro S-4 Capt William E. Drislane	25TH Lt Col William C. Kingsbury 44TH Lt Col Neil W. Wemple 45TH Lt Col Marvin W. Goodwyn
330TH	314	Col Elbert D. Reynolds	Lt Col Douglas C. Polhamus	Lt Col Lindsey H. Vereen	S-1 Major William B. Sohn S-2 Major Jack V. Ferguson S-3 Lt Col Carl P. Walter S-4 Major Delmar G. Lee	457TH Major Virgil G. Kinnard, Jr. 458TH Major Elmer E. Ambrose 459TH Lt Col Robert W. Ryder
331ST	315	Col James N. Peyton	Lt Col Roland J. Barnick	Lt Col George B. Mackey	S-1 Major Warren K. Watson S-2 Capt Charles E. Shain S-3 Major Harold E. Moore S-4 Major Orville D. Crowell	355TH Lt Col Willard W. Wilson 356TH Major Andrew F. Gordon 357TH Lt Col Gerald J. Crosson
444TH	58	Col James C. Selsner	Lt Col Alvan N. Moore	Major Robert B. Hensley	S-1 Major Edward P. Glenn S-2 Major Edmund P. Sullivan S-3 Lt Col Winton R. Close S-4 Major Lewis H. Burger	676TH Major Robert C. Root 677TH Lt Col Olbert F. Lassiter 678TH Major Charles J. Miller
462ND	58	Col Alfred F. Halberer	Lt Col Richard L. Randolph	Lt Col Rosece L. Norman	S-1 Major William S. Trites S-2 Major Joseph R. Fawcett S-3 Lt Col Thomas R. Vaucher S-4 Capt Frederick H. Klug	768TH Lt Col Robert W. Rosebush 769TH Lt Col Cecil Durbin 770TH Major John S. Bagby
468TH	58	Col James V. Edmundson	Lt Col John R. East	Lt Col Fernand L. Andry	S-1 Major Kenneth R. Baile S-2 Capt Rush H. Record S-3 Major Francis W. Nye S-4 Lt Col Samuel Gershon	792ND Lt Col Theodore H. Watson 793RD Lt Col Douglas H. Hatfield 794TH Major Clarence C. McPherson
497TH	73	Col Arnold T. Johnson	Lt Col Neil D. Van Sickle	Lt Col Norman J. Campbell	S-1 Major Oscar C. Teigen S-2 Capt Harry A. Stewart S-3 Lt Col Albert L. Halsey S-4 Lt Col Frank L. Davis	869TH Major Earl S. Kimball 870TH Lt Col Fred L. Trickey, Jr. 871ST Major John W. Carroll
498TH	73	Col Wiley D. Ganey	Lt Col Donald W. Saunders	Major Carl R. Roberts	S-1 Capt John A. Zechman, Jr. S-2 Major Carroll R. West S-3 Lt Col Walter F. Todd S-4 Capt Richard K. Gast	873RD Lt Col Jack S. DeWitt 874TH Lt Col Boris M. Zubko 875TH Lt Col Gerald G. Robinson
499TH	73	Col Morris J. Lee	Lt Col Walter E. Chambers	Major George C. Sturgeon	S-1 Major Philip S. Ballard S-2 Major Manila G. Shaver S-3 Lt Col John M. Wilkinson S-4 Capt Clyde C. Williams	877TH Major Colin E. Anderson 878TH Lt Col James P. Van Haur 879TH Lt Col Hudson M. Schieber
500TH	73	Col John E. Dougherty	Lt Col W. L. McDowell, Jr.	Lt Col Herbert Adamson	S-1 Capt Donald M. Hanson S-2 Capt John R. Smolenski S-3 Lt Col Freeman A. Parsons S-4 Major Raymond L. Ashley	881ST Major Horace E. Hatch 882ND Lt Col Joseph F. Brammoch 883RD Major John R. Van Trigt
501ST	315	Col Boyd Hubbard, Jr.	Lt Col Arch G. Campbell, Jr.	Lt Col Harvey R. Striegler	S-1 Major James F. Hall S-2 Major Walter D. Atkins S-3 Lt Col Leo R. McGeehe S-4 Capt Frank V. Genetti	21ST Major John H. Kunkel, Jr. 41ST Major Robert H. Orr 485TH Lt Col Franklin M. Cochran, Jr.
502ND	315	Col Kenneth O. Sanborn	Lt Col Frank R. Pancake	Lt Col Thomas H. Joyce	S-1 Major Jarvis R. Kingston S-2 Major Abbott H. Greenleaf S-3 Lt Col Frank W. Leeman, Jr. S-4 Capt Francis W. Campbell	402ND Major Rex Dowtin 411TH Lt Col Rudolph R. Seymour 430TH Major Robert E. Booth
504TH	313	Col Glen W. Martin	Lt Col Howard F. Hugos	Lt Col Charles P. Tilton	S-1 Major Eugene L. Ash S-2 Major Robert E. Kenim S-3 Lt Col Hugh T. Shelton S-4 Capt Karl I. Bonham	398TH Lt Col William P. Mullins 421ST Lt Col E. I. Barrowelough 680TH Lt Col Robert C. McBride
505TH	313	Lt Col Charles M. Eisenhart	Lt Col Robert E. Blaw	Lt Col Charles F. Heidrick, Jr.	S-1 Major Erik H. Erikson S-2 Major Harold S. Funk S-3 Lt Col John R. Wilcox S-4 Major Vernon W. Boeck	482ND Major Julian Dandy, Jr. 483RD Major Cyrus R. Lewis 484TH Major William J. Gibson
509TH		Col Paul W. Tibbet, Jr.		Lt Col Gerald E. Bean		393RD Major Charles W. Sweeney

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PERSONNEL STRENGTH

/// ENLISTED MEN
 ■ OFFICERS



GRADES AND RATINGS

	58th WING		73rd WING		313th WING		314th WING		315th WING		HQ & HQ UNITS		TOTAL	
	AUTH	ASGD	AUTH	ASGD	AUTH	ASGD	AUTH	ASGD	AUTH	ASGD	AUTH	ASGD	AUTH	ASGD
GEN&COL	14	10	14	12	16	14	14	11	13	11	29	24	100	82
LT COL	42	37	42	35	49	38	42	30	37	22	33	32	245	194
MAJ	111	140	111	123	130	123	111	125	105	76	79	86	647	673
CAPT	307	378	325	371	366	423	325	314	296	243	102	129	1721	1858
1 ST LT	604	894	678	1101	778	1035	678	1125	572	574	90	163	3400	4892
2 ND LT	820	486	956	398	1022	456	956	318	790	411	37	23	4581	2092
WO & FO	18	139	19	153	24	151	19	190	17	65	15	17	112	715
TOTAL	1916	2084	2145	2193	2385	2240	2145	2113	1830	1402	385	474	10806	10506
M/SGT	290	295	292	324	338	398	292	348	266	238	59	76	1537	1679
T/SGT	450	463	489	458	564	546	489	478	217	339	94	129	2303	2413
S/SGT	1757	1516	1880	1772	2098	2047	1880	1603	1661	855	227	270	9504	8063
SGT	2169	2639	2220	2665	2562	2859	2220	2630	2100	2180	428	514	11699	13487
CPL	2319	2692	2437	2674	2843	2989	2437	2550	2289	2390	558	542	12883	13837
PFC	1133	2015	1210	2105	1447	2455	1210	2090	1169	2287	268	654	6437	11606
PVT	1092	105	1158	159	1361	391	1158	243	1054	331	394	86	6217	1315
EM TOTAL	9210	9725	9686	10157	11213	11685	9686	9942	8756	8620	2028	2271	50579	52400
TOTAL	11126	11809	11831	12350	13598	13925	11831	12055	10586	10022	2413	2745	61385	62900

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TWENTIETH AIR FORCE

B-29 AIR BASE FACILITIES

1 AUG 1945

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ISLAND AND FIELD		RUNWAYS				HARDSTANDS			SERVICE APRONS						ISLAND AVIATION GAS	
		NUMBER	LENGTH	WIDTH	SURFACE	NUMBER USABLE	SURFACE	NUMBER OF WIND- BREAKS	SERVICE CENTER TYPE			BOMB GROUP TYPE			STORAGE CAPACITY (BBLs)	
									NUMBER	SURFACE	NORMAL B-29 CAPACITY	NUMBER	SURFACE	NORMAL B-29 CAPACITY		
G U A M	HARMON FIELD	1	7000'	200'	ASPHALT	84	ASPHALT		2	ASPHALT	21 ^(f)				309,000	
	NORTH FIELD	2	8500'	200'	ASPHALT ^(a)	68 76	CORAL ASPHALT	1	1 1	CORAL ASPHALT	28	1 2	ASPHALT CORAL	12		
	NORTHWEST FIELD	2	8500'	200'	ASPHALT ^(b)	29(d) 1			1 1	CORAL UNDER CONST.	14	2 2	ASPHALT CORAL	16		
T I N I A N	NORTH FIELD	4	8500'	200'	ASPHALT	231 2	CORAL ASPHALT	1	2	CORAL	28	3 2	ASPHALT CORAL	28	167,000	
	WEST FIELD	2	8500'	200'	ASPHALT	232	CORAL	1	2	CORAL	28	4	CORAL	20		
S A I P A N	ISELY FIELD	2	8500'	200'	ASPHALT	179	ASPHALT	1	2	ASPHALT	28	4 PROPOSED	ASPHALT	25	216,000	
I W O J I M A	CENTRAL FIELD	1	9800'	200'	ASPHALT	25	EARTH		1	EARTH	14 ^(e)				200,000	
		1	9400'	200'	EARTH ^(c)											

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FOOTNOTES

- (d) ASPHALT LAID FOR A WIDTH OF 180' ONLY ON RUNWAY NO. 1. THE REMAINDER IS CORAL FINISH.
- (b) ASPHALT LAID FOR A WIDTH OF 150' ON BOTH RUNWAYS. THE REMAINDER IS CORAL FINISH.
- (c) 90% OF EARTHWORK COMPLETE ON RUNWAY. ASPHALT SURFACING NOT STARTED.
- (d) PARKING AREA AVAILABLE FOR 116 AIRCRAFT.
- (e) REFUELING APRON AVAILABLE FOR 60 AIRCRAFT.
- (f) PARKING APRON AVAILABLE FOR 75 AIRCRAFT.
- (g) AVGAS STORAGE CAPACITY IS EXPRESSED ON THE BASIS OF 42 GALS. PER BARREL. ULTIMATE STORAGE CAPACITY IS PLANNED AS FOLLOWS:
GUAM - 436,000 BBLs
TINAN - 400,000 BBLs
SAIPAN - 256,000 BBLs
IWO JIMA - 280,000 BBLs